

1044b UIC - EAST POPLAR OIL FIELD
ENFORCEMENT CASE SDWA 1431
Folder ID: 13644 1984 Privileged

Release in Full

Region 8



13644

HISTORY

QUOTATION



ARMCO National Supply Company

Division of Armco Inc.

TEXAS OIL & GAS CORP.
BILLINGS DISTRICT

SEP 17 1980

Telephone
(307) 237-1521

Texas Oil and Gas Corp.
2705 Montana Avenue
Suite 300
Billings, Montana 59101

Address Correspondence To: National Fabricated Systems
Rocky Mountain Fabrication Center
P.O. Box 2510
Mills, Wyoming 82644

DATE September 14, 1980

YOUR REFERENCE NO.

QUOTATION NO. NFS-051-CP-80

WE THANK YOU FOR YOUR INQUIRY OF _____ AND ARE PLEASED TO QUOTE
SUBJECT TO THE PRINTED TERMS AND CONDITIONS SHOWN ON THE REVERSE SIDE OF THIS SHEET. PRICES QUOTED HEREIN ARE
IN U.S. DOLLARS AND ARE SUBJECT TO CHANGE WITHOUT NOTICE. NO ORDER SHALL BE BINDING UNTIL ACCEPTED BY US IN WRITING.

TERMS: (If other than shown on reverse)

FORM NSC-11000 REV. 12-77

ITEM NO.	QUANTITY	DESCRIPTION & WEIGHT	UNIT PRICE	LOT PRICE
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PORTABLE INJECTION PLANT

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice 000066

NATIONAL SUPPLY COMPANY
Division of Armco

David O. Gray
PER: David O. Gray

Quotation Number NFS-051-CP-80Date Sept. 14, 1980 Page 2

NATIONAL SKID MOUNTED PORTABLE WATER INJECTION
 PLANT ALL MOUNTED ON A HEAVY DUTY REINFORCED SKID
 AND COMPLETE WITH THE FOLLOWING COMPONENTS:

1 - National model J-60-MCAS horizontal triplex plunger
 pump, 3" stroke and complete with:
 Aluminum bronze fluid end
 Aluminum bronze stuffing boxes
 National cage type SS valve service
 2" ceramic plungers
 Style 850-N universal plunger packing

1 - Three feed, mechanical driven, force feed stuffing
 box lubricator, complete with V-belt drive and
 guard. Mounted on pump and piped to plungers.

1 - Structural steel skid complete with a pedestal
 type pump base, motor slide rails and adjusting
 screws and a full sheet metal V-belt guard.

1 - 40 HP, 1200 RPM, 3 phase, 60 hertz, 460 volt,
 open drip proof, electric motor, NEMA design 'B'
 1.0 service factor, 404T frame.

1 - Set, V-belt drive accessories for 250 SPM pump
 speed @ 1160 RPM motor speed and consisting of:
 1 - 8.0"/5V/4 groove HC motor sheave with QD hub
 1 - 37.5"/5V/4 groove HC pump sheave with QD hub
 4 - 5V1600 Super HC belts

1 - Size 4 Motor and plant controller, circuit
 breaker type with heaters for 3 phase, 60 Hz,
 460 volt service, with 3 phase overload relays,
 lightning arrestors, HOA selector switch and
 reset button and internal logic to shutdown
 plant and indicate (tattletale lites) upon:

Pump high discharge pressure
 Pump low discharge pressure
 Pump crankcase oil level
 Pump lubricator oil level
 Low tank (pump suction) level

Automatic start/stop injection pump upon rising
 and falling tank level. Rotating red beacon alarm
 lite mounted on building which will be activated
 by any of the above failures.

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Quotation Number NFS-051-CP-80Date Sept. 14, 1980 Page 3

- 1 - Murphy L-129 pump crankcase Hi/Lo oil level safety switchgag, mounted on pump.
- 1 - Kenco #507B pump lubricator oil level switch. mounted on lubricator.
- 1 - Murphy OPL-4½-3000-SS pump discharge Hi/Lo pressure safety switchgag with PD-8184 pulsationdampener.
- 1 - Major #685-10G9-RN liquid level controller (tank level switch) for start/stop control of injection pump, with SPTD micro switch, Buna-N diaphragm, 2" grooved cadium plated connection, reading 0-20 feet of head. To be mounted on supply tank.

PUMP SUCTION PIPING

- 1 - 2½" ASA-150 FF blind flange
- 1 - 2½" ASA-150 FF slip-on weld flange
- 1 - 4" X 2½" std eccentric weld reducer
- 1 - 4" X 4" std adapter nipple - BFW X Gro
- 2 - 4" Victaulic coupling
- 1 - ½" API blk pipe coupling - drain
- 1 - ½" X 2" std BP nipple - drain
- 1 - ½" B-107 brz gate valve - drain
- 1 - Lot, ½" hose and fittings for hook-up of suction drain to plant drain system.
- 1 - Fabricated piping support

PUMP DISCHARGE PIPING

- 1 - 1½" API-5000 RTJ weldneck flange, XH bore
- 1 - 2" X 1½" XH conc. weld reducer
- 1 - 2" XH smls LR bend with BFW ends
- 1 - B1536/C1536/W2080 Oilmaster waterflood ball and check valve assembly, std trim, 3600#WP
- 1 - Lot, 2" XH smls pipe
- 2 - 2" BFW X 1" thd XH smls swaged nipple
- 2 - 1" fig. 300 Yale 'O' ring union, hex nut, 6000# test
- 1 - 1" fig. 793-A Rockwell vane type water meter
- 2 - 1" X 4" XH smls nipple
- 1 - 2" 3000# FS ell
- 1 - 2" X 8" XH smls nipple
- 1 - 2" X 3000# FS hex nut union
- 2 - ½" FS coupling - pressure tap and drain
- 1 - Lot, size 4HP hose and fittings for hook-up of discharge pressure to switchgag and piping drain.
- 2 - Fabricated piping support
- 1 - 1SY3C 3000# Nowata water filter

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000068

Quotation Number NFS-051-CP-80Date Sept. 14, 1980 Page 4PUMP PRESSURE RELIEF PIPING

- 1 - 1½" API-5000 RTJ weldneck flange, XH bore
- 1 - 2" BFW X 1" thd swage nipple XH
- 2 - 1" 3000# FS ell
- 1 - 1" Baird fig. 7601-1 adj. relief valve
- 1 - 1" XH bull plug
- 1 - 1" X 3" XH smls nipple
- 1 - 1" X 8" XH smls nipple
- 2 - 1" std blk GJ union
- 1 - std 1" BM ell
- 1 - Lot, 1" std API blk pipe
- 1 - Fabricated piping support

PLANT DRAIN PIPING

- 1 - Lot, 2" std blk pipe and fittings for installation of plant drain system including pump cradle drain, discharge piping drain, and pump suction piping drain.
- 1 - Fabricated piping support

BUILDING

- 1 - 8' wide X 13'4" long X 8' high, ARMCO type LS-1 Aluminized metal building, single slope, erected on skid and complete with the following components:
 - 1 - 6070 double swing service door with the upper section having glass
 - 2 - 2429 horizontal sliding windows with screens
 - 1 - 4070 framed opening with enclosure to supply tank.
 - 1 - Lot, ARMCO pre-insulated wall liner panel
 - 1 - Lot, fiberglass insulation and ceiling liner panels.
 - 1 - 5KW electric building heater with fan and thermostat.
 - 1 - Lot, floor plate for all exposed building floor area.

ELECTRICAL

Installation of all skidded plant electrical systems as defined below:

- (A) - Plant and motor control panel
- (B) - 40HP motor
- (C) - Pump lubricator safety switch, pump discharge pressure safety switchgag, tank level switchgag wire to box outside of building for hook-up by others to switch at tank.

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000069

Quotation Number NFS-051-CP-80Date Sept. 14, 1980 Page 5

- (D) - Two (2) wall mounted weatherproof lighting fixtures with a weatherproof switch at entrance door.
- (E) - One (1) convenience outlet
- (F) - Dry transformer with fused primary and lighting distribution panel
- (G) - Rotating beacon alarm lite
- (H) - 5KW building heater and thermostat
- (I) - Complete grounding system as required
- (J) - Systems will be wired and checked out. 3 phase 60Hz, 460 volt underground.

TOTAL SKIDDED UNIT F.O.B. National Fabricated Systems Casper, Wyo. \$40,900.00

TERMS: Net - 20th Proximo

DELIVERY: 8 - 10 weeks after receipt of order.

PRICES QUOTED ARE THOSE CURRENTLY IN EFFECT.
PRICES IN EFFECT ON DATE OF SHIPMENT WILL APPLY.
ANY APPLICABLE SALES OR LOCAL TAXES WILL BE
CHARGED IN ADDITION TO PRICES QUOTED.

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000070

<u>MARATHON</u>	<u>Drilled</u>	<u>Depth</u>	<u>T/R</u>	<u>S (1/4)</u>	<u>Injection Zone</u>	<u>Production Zone</u>	<u>Status</u>
Buckles A-1	1981	5937'	28N/S1E 22	SE NW	1980 NL/1980 WL	Mc	5-25-84 PA OK
hole 12 1/4" 1220 8 3/8" 1005x9 + 1505x (at Seal) hole 7 1/8" 5933' 5 1/2" 1205x + 4405x DST 5780' - 5840' @ 2380psi 2-24-84 TXO Production (w/p inter-office memo states "A-1", "B-1" and "SWD-1" should be P+I'd due to corrosion and leaks and worry about potential legal action for contamination.							
"SWD" #1	1981	960 (K _{ir} @ 716')	28N/S1E 22	SE NW	1803 NL/1853 WL	Kj-	5-25-84 PA
B-1		5840'	28N/S1E 22	SE NW	660 NL/1980 WL		5-25-84 PA OK

SPILLS

MARATHON

10-19-82 TISam 2BN/SIG 22 NE NW Buckles "A" 1

200 bbl crude spilled vacuumed into truck immediately
190 bbl recovered contained inside diked area

BUCKLES SWD No. 1
Completion Prognosis

1. Install 7" x 2 7/8" Hercules type HFC tubing head with a 2" x 6" XH nipple and a 2" 2500# ball valve on each side with a tapped bull plug and needle valve in one side.
2. R.U. & run a GR-CCL correlation log. Perforate the Judith River Formation w/a 4" csg gun w/4 SPF at depths correlating to 785'-790'; 794'-797'; 807'-11, 822-24, & 839'-846' in the Buckles 'A' #1 under a full lubricator.
3. P.U. & TIH w/a size 47C2 Baker Model "AD-1" tension packer (internally plastic coated), 1 jt. 2 7/8", 6.5#, J-55, 8RD, EUE internally plastic coated tubing, a 2 7/8" S.N. and approx. 730' (around 23 jts.) 2 7/8", 6.5#, J-55, 8RD, EUE internally plastic coated tubing. Circ. the hole w/packer fluid at a rate not to exceed 2 BPM.
4. Set the packer 10'-40' above the top perforation with 15,000#-18,000# tension.
5. N.U. the wellhead with a 2 7/8" 2000# full opening valve, a short 2 7/8" nipple, a 2 7/8" x 2 7/8" x 2" XH tee, a 2 7/8" XH tapped bull plug, a 1/2" needle valve and a 1000# gauge.
6. Pressure test annulus to 800 psi.
7. Run injection test at 1/2-BPM, 1 BPM, 1 1/2 BPM and 2 BPM. Do not allow pressure to exceed 1000 psi.
8. If damage is indicated, stimulate well with 15% mud acid.

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

HJK
5-8-81

000007

TEXAS OIL & GAS CORP.
2705 MONTANA AVENUE - SUITE 300
406 - 248 - 4330
BILLINGS, MONTANA 59101

May 11, 1981

Juniper Petroleum Corp.
Ste. 2410, Lincoln Center
1660 Lincoln St.
Denver, CO 80264

Attn: Bob Jarrett, Vice President-Land

Dear Sir:

As per our telephone conversation of May 8, 1981, you were notified of our intention to dispose of produced water into the Judith River formation in the proposed Buckles "SWD" #1 well in the SE, NW, Sec. 22, T28N-R51E, Roosevelt County, Montana. It is our understanding from this conversation, that Juniper Petroleum Corp. does not intend to object to our disposal well plans. Attached is a copy of our Sundry Notice to the Montana Oil and Gas Commission.

I appreciate your assistance in this matter.

Sincerely,

TEXAS OIL & GAS CORP.

H. J. Kagie

H.J. Kagie
Drilling Engineer

Received
Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

HJK/blj

Enclosure

cc: File
Charles Maio, Montana Oil & Gas Commission
- HJK

000060

TEXAS OIL & GAS CORP.
2705 MONTANA AVENUE - SUITE 300
406 - 248 - 4330
BILLINGS, MONTANA 59101

May 11, 1981

Murphy Oil Corp.
200 Jefferson Ave., L
El Dorado, AR 71730

Attn: Alvin W. Simpson, Oper. Supr.

Dear Sir:

As per our telephone conversation of May 8, 1981, you were notified of our intention to dispose of produced water into the Judith River formation in the proposed Buckles "SWD" #1 well in the SE, NW, Sec. 22, T28N-R51E, Roosevelt County, Montana. It is our understanding from this conversation, that Murphy Oil Corp. does not intend to object to our disposal well plans. Attached is a copy of our Sundry Notice to the Montana Oil and Gas Commission.

I appreciate your assistance in this matter.

Sincerely,

TEXAS OIL & GAS CORP.

H.J. Kagie

H.J. Kagie
Drilling Engineer

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

HJK/blj

Enclosure

cc: File
Montana Oil & Gas Commission, Charles Maio
HJK

000061

TEXAS OIL & GAS CORP.
2705 MONTANA AVENUE - SUITE 300
406 - 248 - 4330
BILLINGS, MONTANA 59101

May 11, 1981

Mesa Petroleum Co.
2800 Lincoln Center Bldg.
1660 Lincoln St.
Denver, CO 80203

Attn: Art Brewster, Division Land Manager

Dear Sir:

As per our telephone conversation of May 8, 1981, you were notified of our intention to dispose of produced water into the Judith River formation in the proposed Buckles "SWD" #1 well in the SE, NW, Sec. 22, T28N-R51E, Roosevelt County, Montana. It is our understanding from this conversation, that Mesa Petroleum Co. does not intend to object to our disposal well plans. Attached is a copy of our Sundry Notice to the Montana Oil and Gas Commission.

I appreciate your assistance in this matter.

Sincerely,

TEXAS OIL & GAS CORP.

H.J. Kagie

H.J. Kagie
Drilling Engineer

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

HJK/blj

Enclosure

cc: File
Charles Maio, Montana Oil & Gas Commission
HJK

000062

note 2

Date: Aug. 6, 1981

Authority for
Expenditure -

Buckles SWD

Comment - Received
Feb. 25, 2000

Date: May 6, 1981

Authority for Expenditure
- Buckles SWD

Comment - Received
Feb. 25, 2000

TEXAS OIL & GAS CORP.

FORM 24

Rev. 9/01/79

AUTHORITY FOR EXPENDITURE

DRILLING WELL

Date May 6, 1981 A 115 Co. Cd.District Montana/North DakotaWell Name Buckles SWDWell No. 1Well Location Sec. 22, T28N-R51EDepth 950'Field E. PoplarCounty RooseveltState MontanaPrepared By: H. J. KagieSubmitted By: Ron BeckerDallas X District

CAT. NO.	NATURE OF EXPENDITURE	QUANTITY	ESTIMATED COST			
			CASH		MAT.L ON HAND	TOTAL
DRILLING						
01	Casing		200			200
02	Casinghead		---			---
03	Location, Road & Dirt Work		400			400
04	Drilling - Footage/Turnkey		---			---
05	Drilling - Daywork		12 000			12 000
06	Drilling - Rig Support		2 000			2 000
07	Bits		400			400
08	Supervision		200			200
09	Overhead		100			100
10	Mud & Chemicals		400			400
11	Cementing Services & Supplies		---			---
12	Testing & Logging		---			---
13	Rentals		300			300
14	Other IDC		---			---
15	Other Equipment		---			---
TOTAL DRILLING			16 000			16 000
COMPLETION						
17	Casing 7", 20#, K-55, ST&C	950'	10 600			10 600
18	Tubing 2 7/8", 6.5#, J-55, EUE, 8RD	900'	4 900			4 900
19	Wellhead		800			800
20	Subsurface Equipment		1 400			1 400
21	Supervision		200			200
22	Mud & Chemicals		200			200
23	Testing, Logging & Perforating		3 000			3 000
24	Stimulation		3 000			3 000
25	Overhead		100			100
26	Rentals		1 000			1 000
27	Service Rig		4 000			4 000
28	Cementing Services & Supplies		4 800			4 800
29	Other IDC		---			---
TOTAL COMPLETION			34 000			34 000
PRODUCTION EQUIPMENT						
32	Pumping Unit		---			---
33	Engine & Motor		---			---
34	Rods		---			---
35	Flow Lines		1 000			1 000
36	Meters		---			---
37	Installation		2 000			2 000
38	Storage		---			---
39	Separation & Treating		---			---
40	Other Equipment		48 000			48 000
TOTAL PRODUCTION EQUIPMENT			51 000			51 000
TOTALS			101 000			101 000

OWNER NAME

WORKING INTEREST

DATE APPROVED

TXO

100%

5-20-81

RECEIVED

FEB 25 2000

Office of Enforcement
Compliance & Environmental
Justice

APPROVED:

A.D. Carter, Jr., Sr. Vice President

TEXAS OIL & GAS CORP.

MAY 15 1981

DALLAS - OPERATIONS

000367

AFE No. 81-8653 Property No. 7839

5/15/81

Note /

Rev. 9/01/79

District Montana/North Dakota Well Name Buckles SWD Well No. 1
Well Location Sec. 22, T28N-R51E Depth 950'
Field E. Poplar County Roosevelt State Montana
Prepared By: H. J. Kagie Submitted By: Ron Becker Dallas X District

CAT. NO.	NATURE OF EXPENDITURE	QUANTITY	ESTIMATED COST			
			CASH		MAT'L ON HAND	TOTAL
DRILLING						
01	Casing		200		200	
02	Casinghead		---		---	
03	Location, Road & Dirt Work		400		400	
04	Drilling - Footage/Turnkey		---		---	
05	Drilling - Daywork		12 000		12 000	
06	Drilling - Rig Support		2 000		2 000	
07	Bits		400		400	
08	Supervision		200		200	
09	Overhead		100		100	
10	Mud & Chemicals		400		400	
11	Cementing Services & Supplies		---		---	
12	Testing & Logging		---		---	
13	Rentals		300		300	
14	Other IDC		---		---	
15	Other Equipment		---		---	
TOTAL DRILLING			16 000		16 000	
COMPLETION						
17	Casing 7", 20#, K-55, ST&C	950'	10 500		10 500	
18	Tubing 2 7/8", 6.5#, J-55, EUE, 8RD	900'	4 900		4 900	
19	Wellhead		800		800	
20	Subsurface Equipment		1 400		1 400	
21	Supervision		200		200	
22	Mud & Chemicals		200		200	
23	Testing, Logging & Perforating		3 000		3 000	
24	Stimulation		3 000		3 000	
25	Overhead		100		100	
26	Rentals		1 000		1 000	
27	Service Rig		4 000		4 000	
28	Cementing Services & Supplies		4 800		4 800	
29	Other IDC		---		---	
TOTAL COMPLETION			34 000		34 000	
PRODUCTION EQUIPMENT						
32	Pumping Unit		---		---	
33	Engine & Motor		---		---	
34	Rods		---		---	
35	Flow Lines		1 000		1 000	
36	Meters		---		---	
37	Installation		2 000		2 000	
38	Storage		---		---	
39	Separation & Treating		---		---	
40	Other Equipment		48 000		48 000	
TOTAL PRODUCTION EQUIPMENT			51 000		51 000	
TOTALS			101 000		101 000	

OWNER NAME TXO WORKING INTEREST 100% DATE APPROVED 5-20-81
 Received
Office of Enforcement
 FEB 25 2000
 APPROVED: A.D. Carter, Jr. A.D. Carter, Jr., Sr. Vice President
 TEXAS OIL & GAS CORP.
 MAY 15 1981
 DALLAS - OPERATIONS
 Compliance & Env. Justice
 000065
 AFE No. 81-8653 Property No. 7839

District MONTANA/NORTH DAKOTA

Well Name BUCKLES SWD

Well No. 1

Well Location T37N, R8E, M.P. MS 33

Depth 960'

Field E. POPLAR

County ROOSEVELT

State MONTANA

Prepared By: J.O. Dyk

Submitted By: R.G. Becker

Dallas X District

CAT. NO.	NATURE OF EXPENDITURE	QUANTITY	ACTUAL		ESTIMATED COST		SUPPLEMENTAL
			CASH		APPROVED AMT		TOTAL
	DRILLING			650		200	450
01	Casing						
02	Casinghead						
03	Location, Road & Dirt Work		3	500		400	3 100
04	Drilling - Footage/Turnkey						
05	Drilling - Daywork		58	870		12 000	46 870
06	Drilling - Rig Support		21	187		2 000	19 187
07	Bits		2	500		400	4 100
08	Supervision			250		200	50
09	Overhead			100		100	---
10	Mud & Chemicals		11	970		400	11 570
11	Cementing Services & Supplies						
12	Testing & Logging						
13	Rentals		8	500		300	8 200
14	Other IDC						
15	Other Equipment						
	TOTAL DRILLING		107	527		16 000	93 527
	COMPLETION						
17	Casing		9	234		10 600	(1 366)
18	Tubing		6	383		4 900	1 483
19	Wellhead			800		800	---
20	Subsurface Equipment		2	767		1 400	1 367
21	Supervision			200		200	---
22	Mud & Chemicals			100		200	(100)
23	Testing, Logging & Perforating		8	500		3 000	5 500
24	Stimulation		2	000		3 000	(1 000)
25	Overhead			100		100	---
26	Rentals		---	---		1 000	(1 000)
27	Service Rig		4	000		4 000	---
28	Cementing Services & Supplies		29	537		4 800	24 737
29	Other IDC						
	TOTAL COMPLETION		63	621		34 000	29 621
	PRODUCTION EQUIPMENT						
32	Pumping Unit						
33	Engine & Motor						
34	Rods						
35	Flow Lines		1	900		1 000	900
36	Meters			400		---	400
37	Installation		3	500		2 000	1 500
38	Storage						
39	Separation & Treating						
40	Other Equipment		48	000		48 000	---
	TOTAL PRODUCTION EQUIPMENT		53	800		51 000	2 800
	TOTALS		224	948		101 000	125 948

OWNER NAME

WORKING INTEREST

DATE APPROVED

TXO

100%

8-14-81

APPROVED:

A.D. Carter, Jr., President

Received
Office of Enforcement

FEB 25 2000

000064

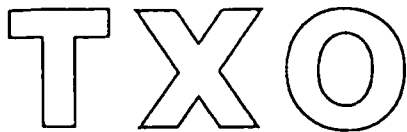
Compliance & Env. Justice

AFE No. 81-8653 Property No. 7839

STANDARD FORM NO. 64

8/17/81

1342




TXO PRODUCTION CORP.

DENVER DISTRICT
INTER-OFFICE MEMORANDUM

Date: Feb. 24, 1984

To: R. E. Dashner

From: P. A. Kriz

Re: Recommendation to P & A the
Buckles "A" #1, Buckles "B"
#1, and the Buckles SWD wells 
in Roosevelt Co., Montana

LEASE NAME: Buckles "A" #1, "B" #1, and SWD #1
LEASE NUMBER: 46529, 92287, 7839
TXO WORKING INTEREST: 100%
PRESENT PRODUCTION: Shut in
CUMULATIVE PRODUCTION: 8189
CUMULATIVE INVESTMENT: 1,524,295
CUMULATIVE NET INCOME: -47,357

The Buckles "A" #1 and "B" #1 are 100% WI, Madison oil wells in the Popular Field in Roosevelt County, Montana. The Buckles "A" #1 was spudded on April 1, 1981 and was perforated at 5796' to 5800' in the Madison-Charles "C" zone. The initial test production on May 4, 1981 was 82 BOPD and 887 BOPD. The well had a strong water drive and produced large quantities of corrosive water. The Buckles SWD #1 well was drilled on May 13, 1981 to dispose the Buckles A #1's water production into the Judith River formation. The Buckles B #1 was spudded on August 11, 1981, no economic production was found and the well was temporarily abandoned and left as a possible injection well for the Buckles A #1.

The Buckles A #1 and SWD #1 have been plagued with numerous shut ins due to leaks in pipes caused by the corrosive water production. The salt water disposal well has pressurized to the point that further injection will probably cause leaks in the corrosion fatigued casing and allow communication to the surface. Surface communication was a problem while drilling the SWD well due to its shallow depth and would prove to be both difficult and costly to repair. Furthermore, the well is an Indian lease on the Ft. Peck Indian Reservation and surface leaks could lead to legal action against TXO.

000288

Plugging Recommendation
2/24/84 - Page 2

The Buckles A #1 was shut in on November 21, 1983 due to high discharge pressure to the SWD well. The well was producing approximately 6 BOPD and 900 BWPD when it was shut in. At the present production rate the well can not cover any additional expenditures that would come from drilling another injection well or converting the Buckles B #1 to a disposal well.

Uphole potentials were evaluated with geology and no additional prospective zones were found. Furthermore, based on the history of the producing zone, further stimulation or workover would not enhance production. At the present production decline the Buckles A #1 is only 3 months from its economic limit of 3.4 BOPD.

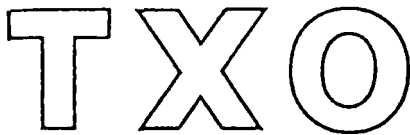
In view of the facts presented, it is recommended that the Buckles A #1, Buckles B #1, and the Buckles SWD #1 be plugged and abandoned. The cost for plugging the wells would be approximately \$53,400. The salvage value that is expected to be recovered is approximately \$65,300.

Please review and advise on the plugging of the Buckles A #1, B #1, and SWD #1 wells.

PAK/ja

PAK
P. A. K.

000289



TXO PRODUCTION CORP.

DENVER DISTRICT
INTER-OFFICE MEMORANDUM

Date: Feb. 24, 1984

To: R. E. Dashner

From: P. A. Kriz

Re: Recommendation to P & A the
Buckles "A" #1, Buckles "B"
#1, and the Buckles SWD wells
in Roosevelt Co., Montana

LEASE NAME: Buckles "A" #1, "B" #1, and SWD #1
LEASE NUMBER: 46529, 92287, 7839
TXO WORKING INTEREST: 100%
PRESENT PRODUCTION: Shut in
CUMULATIVE PRODUCTION: 8189
CUMULATIVE INVESTMENT: 1,524,295
CUMULATIVE NET INCOME: -47,357

The Buckles "A" #1 and "B" #1 are 100% WI, Madison oil wells in the Popular Field in Roosevelt County, Montana. The Buckles "A" #1 was spudded on April 1, 1981 and was perforated at 5796' to 5800' in the Madison-Charles "C" zone. The initial test production on May 4, 1981 was 82 BOPD and 887 BOPD. The well had a strong water drive and produced large quantities of corrosive water. The Buckles SWD #1 well was drilled on May 13, 1981 to dispose the Buckles A #1's water production into the Judith River formation. The Buckles B #1 was spudded on August 11, 1981, no economic production was found and the well was temporarily abandoned and left as a possible injection well for the Buckles A #1.

The Buckles A #1 and SWD #1 have been plagued with numerous shut ins due to leaks in pipes caused by the corrosive water production. The salt water disposal well has pressurized to the point that further injection will probably cause leaks in the corrosion fatigued casing and allow communication to the surface. Surface communication was a problem while drilling the SWD well due to its shallow depth and would prove to be both difficult and costly to repair. Furthermore, the well is an Indian lease on the Ft. Peck Indian Reservation and surface leaks could lead to legal action against TXO.

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FEB 24 1984
COMMERCIAL
CREDIT
JAN 1

000288

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 1, 1984

MONTANA BOARD OF OIL & GAS CONSERVATION
2535 St. Johns Avenue
Billings, Montana 59102

RE: Buckles "A" #1, "B" #1, "SWD" #1
Section 22, T28N-R51E
Roosevelt County, Montana

Dear Sirs:

Attached please find Sundry Notices and Well History's on the above referenced wells.

Please call me at this office if you have any questions about these wells.

Sincerely,

TXO PRODUCTION CORP.

M. David Clouatre

M. David Clouatre
Drilling & Production Engineer

Encl.
MDC/tlw

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FEB 25 2000

Office of Enforcement
Compliance & Environmental
Justice

A SUBSIDIARY OF TEXAS
OIL & GAS CORP.
000392

TEXAS OIL & GAS CORP.
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: January 15, 1981

WELL NAME: Buckles

LOCATION: 1803' FNL, 1853' FWL, Section 22-T28N-R51E, Roosevelt Co., Montana

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 1. The well has been staked 1803' FNL and 1853' FWL of Section 22-T28N-R51E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Poplar, east on Highway 2 approximately 4.5 miles to Flaxville blacktop road. Turn north, proceed 4.5 miles to section road. Turn west, proceed 2.0 miles to section road. Turn north for 0.5 mile to drill site access road. The proposed drill site access road proceeds east for 0.38 mile, then 0.13 mile north.
- C. Access route to location color coded in red and labeled. Refer to Map 2.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Map 1.
- E. Plans for improvement and maintenance of existing roads: The roads leading to the access road are well traveled. The road from Highway 2 is a blacktop county road. The section roads are graded, gravelled and well traveled. Only the access road will require any maintenance. During wet periods, some maintenance may be required to allow travel by drilling rigs and well service vehicles. During dry periods, wetting the access road may be required for dust suppression.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road approximately 0.5 mile long will be constructed from the west section line of Section 22-T28N-R51E. The road will follow the center line of the Section east to the SE/4, NW/4 section line then north to the drill site. The road will be 18-20 feet wide, with minimal grade. No drainages will be crossed. If the well is commercially productive, the road will be bar-ditched and crowned to facilitate drainage.

3. LOCATION OF EXISTING WELLS

Map 3 is a one-mile radius locating and identifying the following:

- A. Water Wells - None
- B. Abandoned Wells - None
- C. Temporarily Abandoned Wells - None

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- D. Disposal Wells - None
- E. Drilling Wells - None
- F. Producing Wells - Mesa 1-22 Biere, Sec. 22-T28N-R51E
 Juniper #1-21 Poplar, Sec. 21-T28N-R51E
 Murphy Oil Unit #22, Sec. 14-T28N-R51E
 Murphy Oil Unit #55, Sec. 23-T28N-R51E
- G. Shut-In Wells - None
- H. Injection Wells - Mesa, Sec. 22-T28N-R51E
- I. Monitoring or Observation Wells for Other Reasons - None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Map 3 is a one-mile radius locating the following existing facilities owned by the lessee/operator:

- 1. Tank Batteries - None
- 2. Production Facilities - None
- 3. Oil Gathering Lines - None
- 4. Gas Gathering Lines - None
- 5. Injection Lines - None
- 6. Disposal Lines - None

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- B. If new facilities are contemplated, in the event of production show:

- 1. Proposed location and attendant lines by flagging them off the well pad. Refer to Exhibit 1.
- 2. Dimensions of facilities. Refer to Exhibit 2.
- 3. Construction methods and materials: Water production will be contained in a bar production pit according to NTL-2B specifications. A production unit will be set. All connection work will be done by an oilfield service company using standard oilfield materials.
- 4. Protective devices and measures to protect livestock and wildlife: The burn pit will be fenced with small mesh wire and flagged to protect animals. The reserve pit will be fenced to protect animals until it can be properly restored. The reserve pit will be fenced on three sides while drilling and on the fourth side after the rig moves off location.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water for drilling purposes will be purchased and hauled from a commercial water hauler. If additional state or federal permits are required, they will be obtained from the appropriate Montana State authority, or the BLM Resource Area Headquarters.
- B. Method of transporting water: Water will be transported via truck over the access road described above. No new roads will be required.
- C. If water well is to be drilled, so state: No water well is contemplated.

000012

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is not anticipated that any materials for construction will be required beyond materials from the minimal cut on the location.
- B. Identify it from Federal or Indian Land: The surface is owned by Austin R. Buckles.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: None to be transported.
- D. Show any needed access roads crossing Federal or Indian lands. Refer to Map 1.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be separated by screen and gravity and contained in metal tanks and/or a small earthen pit to be located on the existing location.
- B. Drilling fluids to be contained in metal tanks and trucked out upon completion of the well.
- C. Produced fluids: N.A.
- D. Sewage - Portable toilet will be provided.
- E. Garbage will be placed in a trash pit, fenced and covered with small mesh wire for burning and burial after completion of the well.
- F. Statement regarding proper cleanup when rig moves out. When the rig moves out, all trash and surface refuse will be disposed of by burial in the trash pit or by removal from the location.

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8. ANCILLARY FACILITIES

FEB 25 2001

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods: None planned.

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9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross-section and plan view of drill pad Refer to Exhibit 3.
- B. Location of mud tank, burn pit, trash pit, and pipe racks: Refer to Exhibit 4.

000013

- C. Rig orientation, parking area: Refer to Exhibit 4.
- D. Statement regarding pit lining: N.A.

10. PLANS FOR RESTORATION OR SURFACE

- A. Backfilling, levelling, contouring and waste disposal: This work will be done as approved in the NTL-6 for the Buckles "A" #1.
- B. Revegetation and rehabilitation: This work will be done as approved in the NTL-6 for the Buckles "A" #1.
- C. Pit fencing: This work will be done as approved in the NTL-6 for the Buckles "A" #1.
- D. Oil on pit: This work will be done as approved in the NTL-6 for the Buckles "A" #1.
- E. Time for commencement and completion of the rehabilitation operations: This work will be done as approved in the NTL-6 for the Buckles "A" #1.

11. OTHER INFORMATION

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General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: ^{Compliance & Env. Justice} The proposed well site is located in a flat wheat field. The land slopes slightly to the west from the drill site, toward the Poplar River. The land is currently being cultivated. The nearest water source is the Poplar River, approximately 2 miles west. In addition, there are numerous intermittent (drainage) streams that follow a low ridge 0.5 mile to the east. The ridge runs north-south and has an elevation of about 80-120 feet above the elevation of the well pad. Dominant fauna includes rabbits, small mammals, small and raptorial birds, and rodents.
- B. Other surface-use activities: The surface is privately-owned by Austin R. Buckles; it is currently being farmed by the Buckles family. Texas Oil & Gas Corp. will execute a surface damage agreement with Mr. Buckles after the amount of surface disturbance is determined. This determination will not take place until the joint on-site inspection.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The Poplar River is located approximately 2.0 miles west of the drill site; in addition, there are a number of intermittent streams east of the drill site. There is a ranch house located approximately 0.6 mile south-southwest of the drill site. The Bureau of Indian Affairs has conducted an environmental survey of the area and has determined that since the drill site is located in an active agricultural area, that any archeological, historical, or cultural values would have been destroyed or disturbed. Therefore, an archeological survey will not be required.

000014

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JAN 21 1981

Billings, Montana

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.


Ronald Becker
Leo Heath - 406/656-9917 - Residence
Texas Oil & Gas Corp.
2705 Montana Ave., Suite 300
Billings, Montana 59101
406/248-4330 - Business

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texas Oil & Gas Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: 5/8/81



Ronald Becker
Project Manager

Received
Office of Enforcement

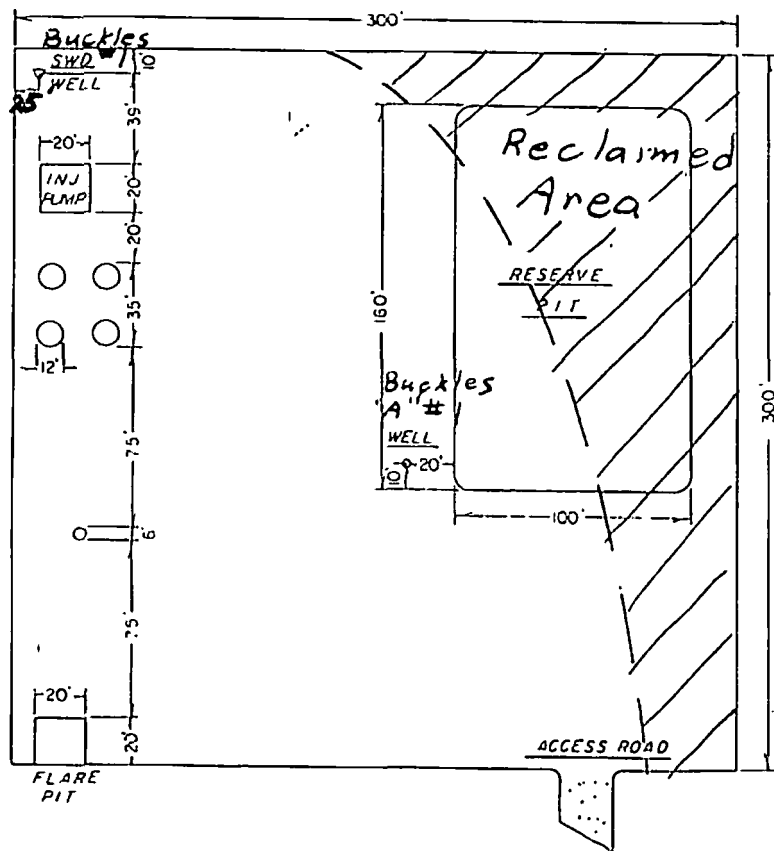
FEB 25 2001

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Exhibit #2

BUCKLES PLOT PLAN



Compliance & Env. Justice

FEB 25 2011

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MAY 2 2011
Billings District

TEXAS OIL & GAS CORP.
BILLINGS DISTRICT

PLOT PLAN FOR DRILLING
SITE

CNOR
LH

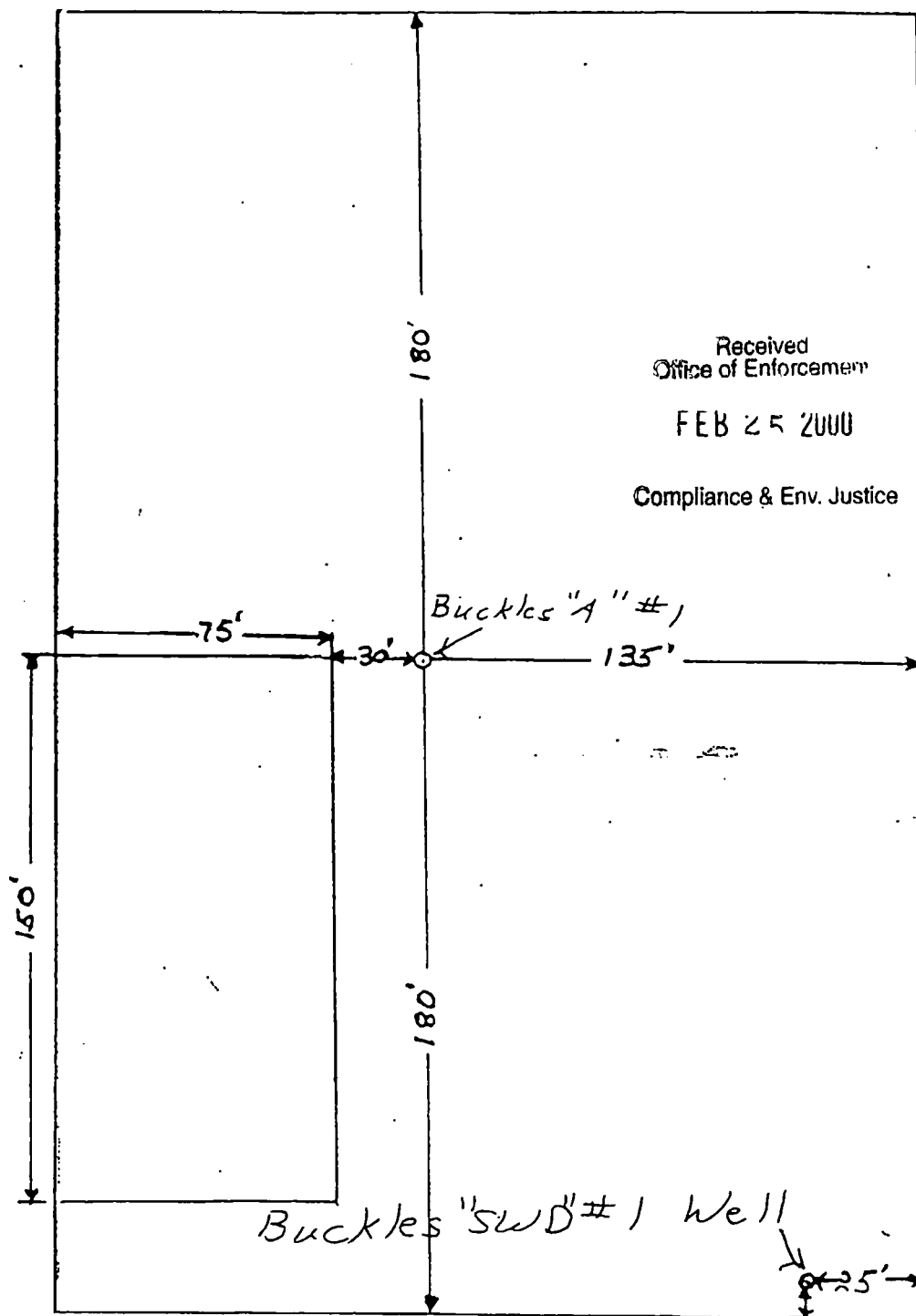
3-4-81 4

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Texas Oil & Gas Corp
Buckles "SWD" #1
Plan View of Drill Pad

Exhibit 3
U. S. Geological Survey
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MAY 8 1981
Billings, Montana



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FEB 25 2000

Compliance & Env. Justice

Buckles "SWD" #1 well

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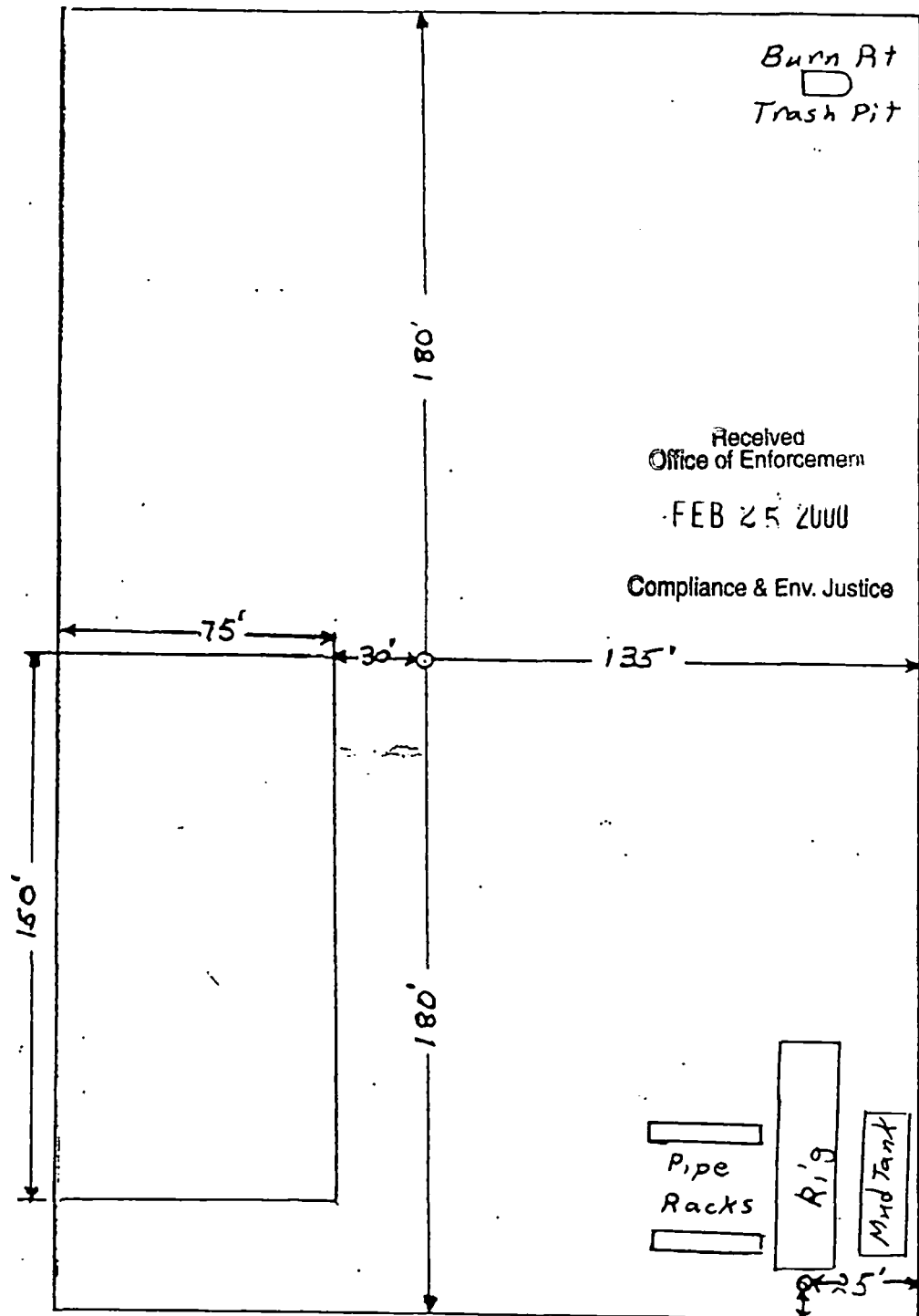
Texas Oil & Gas - Corp
Buckles "SWD" #1
Rig Layout

Exhibit 4

U. S. Geological Survey
RECEIVED

MAY 8 1981

Billings, Montana



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Office of Enforcement

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Compliance & Env. Justice

080018

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Contract No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

U. S. Geological Survey
PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☐

OTHER

S.W. Disposal

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Texas Oil & Gas Corp.

3. ADDRESS OF OPERATOR

Billings, Montana

Suite 300, 2705 Montana Avenue, Billings, Montana 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
1803' FNL, 1853' FWL

At proposed prod. zone

1803' FNL, 1853' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 6 miles NNE of Poplar, Montana

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

483'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

950

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2085' GR

22. APPROX. DATE WORK WILL START*

May 11, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	17#	950'	250 sxs

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FEB 25 2000

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. B. Becker

TITLE

Project Manager

DATE

5-8-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Thomas H. ...

TITLE DISTRICT SUPERVISOR

DATE

5-8-81

CONDITIONS OF APPROVAL, IF ANY:

000010

Y.C. THOMAS
HUBER #1
COMPL 8-25-52
NO TESTS

MURPHY OIL
UNIT #32
COMPL 11-54
IP 41 BOPD
PARO 2 BOPD

MURPHY OIL
UNIT #10
COMPL 11-57
IP 268 BOPD
CUM 356343
BO
PARO 3814
BOPD

MURPHY OIL
UNIT #20
COMPL 11-57
IP 16 BOPD
CUM 41828 BO
PARO 3 BOPD

U. S. Geological Survey

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AN 21 1981

MAY 8 1981

Billings, Montana

MURPHY OIL
UNIT #104
COMPL 1958
IP 221 BOPD
CUM 344,958 BO
PARO 16 BOPD

MURPHY OIL
UNIT #22
COMPL 1958
IP 181 BOPD
CUM 24694 BO
PARO 9 BOPD

Buckles "SWD" #1

MESA 1-22 BIENE
COMPL 6-8-70
IP 516 BOPD
996 BWPD
CUM 159,999 BO+1350166 BW
PARO 15 BO+1160 BWPD (4-80)

JUNIPER
#1 21 POPULAR

COMPL 3-80
IP 4 BOPD
100 BWPD
CUM 242 BO
SHUT-IN

MURPHY OIL
UNIT #55
COMPL 6-55
IP 198 BOPD
CUM 226,466 BO
PARO 6 BOPD

MURPHY OIL
UNIT #26
COMPL 8-53
IP 23 BOPD
CUM 61,779 BO
T-4.9-62
P & A 1965

TD 850

MURPHY OIL
UNIT #72
P & A 4-56
DST MCC-1 REC 90 GAS
FP 15-16
SIP 2995

AMARCO RESOURCES
USA 1-27
COMPL 7-73
DST MCC-1
280 MG + GCM, 15% OIL
90' MCSW
(580-187)

NATOL SIOUX 1-26
COMPL 2-28-70
IP 20 BO + 215 BWPD
PROD TEST 3 BOPD
P & A 1971

MURPHY OIL
UNIT #63
COMPL 2-56
IP 34 BOPD
CUM 5097 BO
KIBBEY SD
P & A 1962

PARTEE-CATLIN 1
COMPL 6-13-65
TD'D IN KIBBEY
NO SPL SHOWS
NO TESTS

ALAX OIL CO
PATCH #1
COMPL 8-1952
DST MCC-1 REC 125' CCM
25' O+WCM
FP 0-1' SIP 2925
CORED MCC-1, SSO

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Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

EMPIRE OIL
LOCKMAN #1
P & A 1959
DST MCC-1 REC 300' MUD-
300' SMC5 W/
FP 75-300
SIP 2974

000019

1 Mile Radius

R28N

(SUBMIT IN QUADRUPLICATE)

MAC 36-3.18(10)-S18020
 MAC 36-3.18(10)-S18030
 MAC 36-3.18(10)-S18140
 MAC 36-3.18(10)-S18170
 MAC 36-3.18(10)-S18200
 MAC 36-3.18(10)-S18310
 MAC 36-3.18(10)-S18330
 MAC 36-3.18(14)-S18380

TO

BOARD OF OIL AND GAS CONSERVATION
 OF THE STATE OF MONTANA

BILLINGS OR SHERIDAN

SUNDRY NOTICES AND REPORTS OF WELLS

NOTICE
 THIS FORM BECOMES A
 PERMIT WHEN STAMPED
 APPROVED BY AN AGENT
 OF THE BOARD.

Notice of Intention to Drill	Water Disp. Well XX	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing		Supplementary Well History
Notice of Intention to Abandon Well		Report of Fracturing

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 8, 1981

81

19

Following is a ~~notice of intention to do work~~ { on land } ~~owned~~ { described as follows:

LEASE Buckles

MONTANA
(State)

Roosevelt

(County)

E. Poplar
(Field)

Well No. SWD #1 SE NW-22 T28N R51E MPM
 (m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from N line and 1853 ft. from W line of Sec. 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground ~~XXXX~~ above the sea level is 2085

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

1. Drill 8 3/4" hole to \pm 950'. Set 7", 20#, K-55 casing and cement to surface.
2. Perforate the Judith River Formation and complete as a salt water disposal well, at an estimated rate of 1000 BWPD at \pm 400 psi.

FILING WITH THE COMMISSION ALL LOGS,
 REPORTS, SURVEYS AND ANALYSES MADE
 OR RUN IS REQUIRED IN ACCORDANCE WITH
 RULE NO. 230.

SALTWATER PITS SHALL BE IMPERMEABLE

Approved subject to conditions on reverse of form

Company Texas Oil & Gas Corp.

Date 9-28-81

By H. J. Kagie

By [Signature] District Office Agent

Title Drilling Engineer
 Address 2705 Montana Avenue, Suite 300
 Billings, Montana 59101

BOARD USE ONLY
 API WELL NUMBER

STATE COUNTY WELL
 21 085 211336

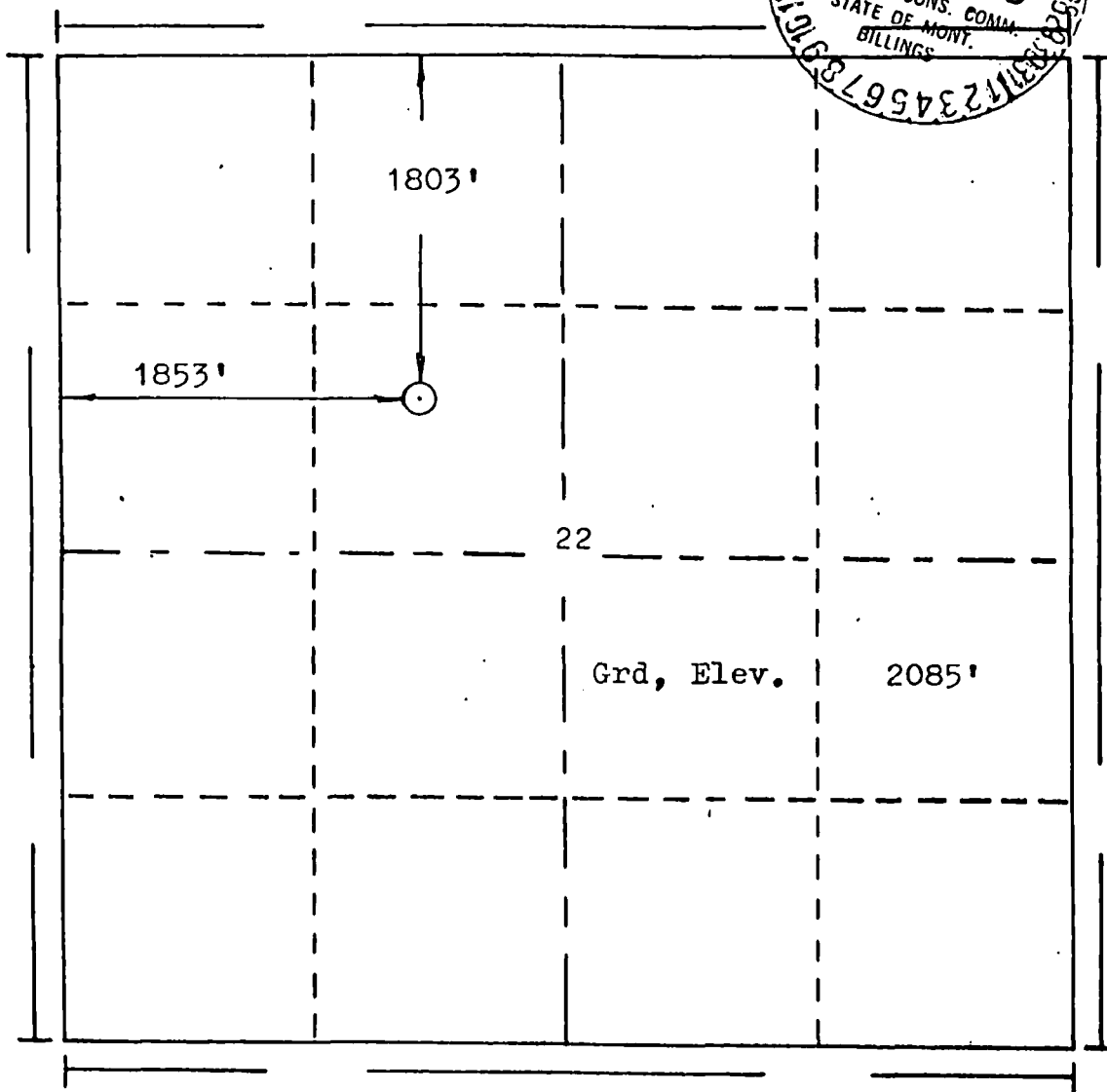
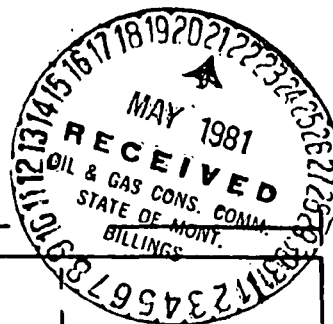
NOTE:—Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS FROM DATE OF
 APPROVAL IF WELL NOT SPUNNING OR EXTENSION REQUESTED.

OVER



R. 51E



T. 28N

Scale... 1" = 1000'

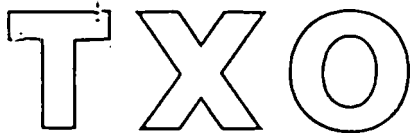
Powers Elevation of Denver, Colorado
has in accordance with a request from Joe Kagie
for Texas Oil & Gas
determined the location of Buckles S.W.D. #1
to be 1803'fN 1853'fW Section 22 Township 28N
Range 51E of the Montana principal Meridian
Roosevelt County, Montana

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
Buckles S.W.D. #1

Date: 6May81

T. Wilson

Licensed Land Surveyor No. 2134S
State of Montana



TXO PRODUCTION CORP.

DENVER DISTRICT
INTER-OFFICE MEMORANDUM

Date: October 12, 1981

To: Leo Heath
TXO Billings

From: C. K. Curlee
Re: Buckles "A" #1
Section 22-T28N-R51E
Roosevelt County, Montana

Attached is a notice sent to me by the Montana Oil & Gas Conservation Commission regarding the Buckles salt water disposal well. You may have also received a copy from the Commission but the attached is forwarded to you in the event it was sent here by mistake.

CKC
CKC

CKC/JY

Attachments/as stated

10-15-81
FEB 25 1982
Office of Enforcement
Compliance & Environmental
Justice

000204

BEFORE THE BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

IN THE MATTER OF THE APPLICATION)
OF TEXAS OIL & GAS CORPORATION)
FOR AN ORDER PERMITTING THE)
DISPOSAL OF PRODUCED WATER FROM)
THE EAST POPLAR FIELD, ROOSEVELT)
COUNTY, MONTANA INTO THE JUDITH)
RIVER FORMATION.)

Order No. 121-A-81

ADMINISTRATIVE

In this matter, TEXAS OIL & GAS CORPORATION, applicant, seeks permission from the Board to dispose of water produced from its operation in the East Poplar Field, Roosevelt County, Montana by injecting said water into its Buckles SWD No. 1 well located in the SE 1/4 Section 22, Township 28 North, Range 51 East, Roosevelt County, Montana. The application is complete in all respects and satisfies the provisions and requirements of Board Rules No. 36.22.1226 and 36.22.1228. All pertinent information concerning said application has been supplied to the Board and the same does not pertain to secondary recovery or a waterflood plan and it appearing to the Board that the application is in order, the following order is hereby made:

IT IS THEREFORE ORDERED by the Board of Oil and Gas Conservation of the State of Montana that the application of TEXAS OIL & GAS CORPORATION to dispose of water produced with oil from its operations in the East Poplar Field, Roosevelt County, Montana by injection into its well described above for ultimate disposal in the Judith River Formation between the depths of 785 feet to 846 feet be and the same is hereby approved.

IT IS FURTHER ORDERED that at such time as injection is commenced that the operator file its Report of Subsurface Injections through the use of Board Form No. 5 to be submitted to the Board office in Billings, Montana.

Dated at Helena, Montana this 29th day of September, 1981.

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

D. Rickman, Executive Secretary

(SEAL)

RECEIVED
FEB 25 20
Office of Enforcement
Compliance & Environmental
Justice

000205



RECEIVED
DENVER ENV. DEPT

REF: 8WM-DW

JUN 25 1984

JUN 27 1984

Mr. Charles Curlee
TXO Production Corporation
1660 Lincoln Street, Suite 1800
Denver, Colorado 80264

Dear Mr. Curlee:

You are hereby requested to submit a permit application for the following well by July 30, 1984:

Field

Well Name

East Poplar

Buckles SWD No. 1

EPA is requiring a permit application for this well for the following reasons: 1) The agency has determined that salt water disposal (SWD) wells pose a significant threat to Underground Sources of Drinking Water (USDW's) in this area and is therefore permitting them as soon as possible, and; 2) EPA has received assertions from the Bureau of Indian Affairs (BIA) of ground water contamination as a possible result of salt water disposal activities on the Fort Peck Indian Reservation. Since the East Poplar and Northwest Poplar fields are the area of greatest concern to the tribe and the BIA, we are requesting that permit applications for wells from these fields be submitted first.

Please complete the enclosed application form for the listed well by July 30, 1984. Be sure that the application is complete and that all required attachments are included. Submit the completed application to:

Chief, Drinking Water Branch
U.S. Environmental Protection Agency (8WM-DW)
1860 Lincoln Street
Denver, Colorado 80295

RECEIVED
FEB 14 1985
Office of Enforcement
Compliance & Environmental
Justice

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The SWD well listed above may continue to operate under current authorization by rule until:

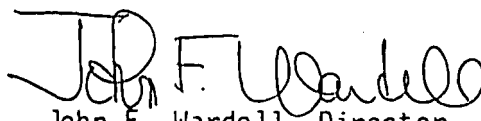
The effective date of a permit (activities will then be authorized by permit);

The denial of a permit (the well will no longer be authorized to inject); or

The owner or operator fails to submit the permit application within the time period specified in this notice (at which time the authorization to inject will be revoked).

I encourage you to contact either Richard Long in the EPA Denver Regional Office (Phone: (303) 844-3914) or William Engle in the EPA Montana Operations Office (Phone: (406) 449-5414) as soon as possible if you have any questions.

Sincerely yours,


John F. Wardell, Director,
Montana Office

Enclosure: Permit Application Form

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Justice

000180

Form 4 UIC	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY UNDERGROUND INJECTION CONTROL PERMIT APPLICATION <i>(Collected under the authority of the Safe Drinking Water Act, Sections 1421, 1422, 40 CFR 144)</i>	I. EPA ID NUMBER <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:80%; height: 20px;"></td> <td style="width:10%; text-align: center;">T/A</td> <td style="width:10%; text-align: center;">C</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>		T/A	C																																		
	T/A	C																																					
READ ATTACHED INSTRUCTIONS BEFORE STARTING FOR OFFICIAL USE ONLY																																							
Application approved <small>mo day year</small>	Date Received <small>mo day year</small>	Permit/Well Number	Comments																																				
II. FACILITY NAME AND ADDRESS		III. OWNER/OPERATOR AND ADDRESS																																					
Facility Name		Owner/Operator Name																																					
Street Address		Street Address																																					
City		State	ZIP Code																																				
City		State	ZIP Code																																				
IV. OWNERSHIP STATUS (Mark 'x')		V. SIC CODES																																					
<input type="checkbox"/> A. Federal <input type="checkbox"/> B. State <input type="checkbox"/> C. Private <input type="checkbox"/> D. Public <input type="checkbox"/> E. Other (Explain)																																							
VI. WELL STATUS (Mark 'x')																																							
<input type="checkbox"/> A. Operating <table style="display: inline-table;"><tr><td>Date Started</td></tr><tr><td><small>mo day year</small></td></tr></table> <input type="checkbox"/> B. Modification/Conversion <input type="checkbox"/> C. Proposed				Date Started	<small>mo day year</small>																																		
Date Started																																							
<small>mo day year</small>																																							
VII. TYPE OF PERMIT REQUESTED (Mark 'x' and specify if required)																																							
<input type="checkbox"/> A. Individual <input type="checkbox"/> B. Area		Number of Existing wells	Number of Proposed wells																																				
		Name(s) of field(s) or project(s)																																					
VIII. CLASS AND TYPE OF WELL (see reverse)																																							
A. Class(es) <small>(enter code(s))</small>	B. Type(s) <small>(enter code(s))</small>	C. If class is "other" or type is code "x," explain																																					
IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT			X. INDIAN LANDS (Mark 'x')																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3">A. Latitude</td> <td colspan="3">B. Longitude</td> <td colspan="3">Township and Range</td> <td colspan="3"></td> </tr> <tr> <td><small>Deg</small></td><td><small>Min</small></td><td><small>Sec</small></td> <td><small>Deg</small></td><td><small>Min</small></td><td><small>Sec</small></td> <td><small>Twsp</small></td><td><small>Range</small></td><td><small>Sec</small></td> <td><small>1/4 Sec</small></td><td><small>Feet from</small></td><td><small>Line</small></td> </tr> <tr> <td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td> <td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td> <td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td> <td style="height: 20px;"></td><td style="height: 20px;"></td><td style="height: 20px;"></td> </tr> </table>			A. Latitude			B. Longitude			Township and Range						<small>Deg</small>	<small>Min</small>	<small>Sec</small>	<small>Deg</small>	<small>Min</small>	<small>Sec</small>	<small>Twsp</small>	<small>Range</small>	<small>Sec</small>	<small>1/4 Sec</small>	<small>Feet from</small>	<small>Line</small>													<input type="checkbox"/> Yes <input type="checkbox"/> No
A. Latitude			B. Longitude			Township and Range																																	
<small>Deg</small>	<small>Min</small>	<small>Sec</small>	<small>Deg</small>	<small>Min</small>	<small>Sec</small>	<small>Twsp</small>	<small>Range</small>	<small>Sec</small>	<small>1/4 Sec</small>	<small>Feet from</small>	<small>Line</small>																												
XI. ATTACHMENTS																																							
(Complete the following questions on a separate sheet(s) and number accordingly; see instructions) FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A — U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application:																																							
XII. CERTIFICATION																																							
<i>I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)</i>																																							
A. Name and Title (Type or Print)			B. Phone No. (Area Code and No.)																																				
C. Signature			D. Date Signed																																				

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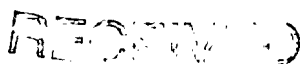
000181

Well Class and Type Codes

Class I	Wells used to inject waste below the deepest underground source of drinking water.
Type "I"	Nonhazardous industrial disposal well
"M"	Nonhazardous municipal disposal well
"W"	Hazardous waste disposal well injecting below USDWs
"X"	Other Class I wells (not included in Type "I," "M," or "W")
Class II	Oil and gas production and storage related injection wells.
Type "D"	Produced fluid disposal well
"R"	Enhanced recovery well
"H"	Hydrocarbon storage well (excluding natural gas)
"X"	Other Class II wells (not included in Type "D," "R," or "H")
Class III	Special process injection wells.
Type "G"	Solution mining well
"S"	Sulfur mining well by Frasch process
"U"	Uranium mining well (excluding solution mining of conventional mines)
"X"	Other Class III wells (not included in Type "G," "S," or "U")
Other Classes	Wells not included in classes above.
	Class V wells which may be permitted under §144.12
	Wells not currently classified as Class I, II, III, or V.

Attachments to Permit Application

Class	Attachments
I new well	A, B, C, D, F, H — S, U
existing	A, B, C, D, F, H — U
II new well	A, B, C, E, G, H, M, O, R; optional — I, J, K, O, P, U
existing	A, E, G, H, M, O, R — U; optional — J, K, O, P, Q
III new well	A, B, C, D, F, H, I, J, K, M — S, U
existing	A, B, C, D, F, H, J, K, M — U
Other Classes	To be specified by the permitting authority


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INSTRUCTIONS — Form 4 — Underground Injection Control (UIC) Permit Application

Form 4 must be completed by all owners or operators of Class I, II, and III injection wells and others who may be directed to apply for a UIC permit by the Director.

I. EPA I.D. NUMBER — Fill in your EPA Identification Number. If you do not have a number, leave blank.

II. FACILITY NAME AND ADDRESS — Name of well, well field or company and address.

III. OWNER/OPERATOR NAME AND ADDRESS — Name and address of owner/operator of well or well field.

IV. OWNERSHIP STATUS — Mark the appropriate box to indicate the type of ownership.

V. SIC CODES — List at least one and no more than four Standard Industrial Classification (SIC) Codes that best describe the nature of the business in order of priority.

VI. WELL STATUS — Mark Box A if the well(s) were operating as injection wells on the effective date of the UIC Program for the State. Mark Box B if the well(s) existed on the effective date of the UIC Program for the State but were not utilized for injection. Box C should be marked if the application is for an underground injection project not constructed or not completed by the effective date of the UIC Program for the State.

VII. TYPE OF PERMIT — Mark "Individual" or "Area" to indicate the type of permit desired. Note that area permits are at the discretion of the Director and that wells covered by an area permit must be at one site, under the control of one person and do not inject hazardous waste. If an area permit is requested the number of wells to be included in the permit must be specified and the wells described and identified by location. If the area has a commonly used name, such as the "Jay Field," submit the name in the space provided. In the case of a project or field which crosses State lines, it may be possible to consider an area permit if EPA has jurisdiction in both States. Each such case will be considered individually, if the owner/operator elects to seek an area permit.

VIII. CLASS AND TYPE OF WELL — Enter in these two positions the Class and type of injection well for which a permit is requested. Use the most pertinent code selected from the list on the reverse side of Form 4. When selecting type X please explain in the space provided.

IX. LOCATION OF WELL — Enter the latitude and longitude of the existing or proposed well expressed in degrees, minutes, and seconds or the location by township, and range, and section, as required by 40 CFR 146. If an area permit is being requested, give the latitude and longitude of the approximate center of the area.

X. INDIAN LANDS — Place an "X" in the box if any part of the facility is located on Indian lands.

XI. ATTACHMENTS — Note that information requirements vary depending on the injection well class and status. Attachments for Class I, II, and III are described on pages 4 and 5 of this document and listed by Class on page 2. Place EPA ID number in the upper right hand corner of each page.

XII. CERTIFICATION — All permit applications (except Class II) must be signed by a responsible corporate officer for a corporation, by a general partner for a partnership, by the proprietor of a sole proprietorship, and by a principal executive or ranking elected official for a public agency. For Class II, the person described above should sign, or a representative duly authorized in writing.

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INSTRUCTIONS — Attachments to Form 4

Attachments to be submitted with permit application for Class I, II, III and other wells.

- A. AREA OF REVIEW METHODS** — Give the methods and, if appropriate, the calculations used to determine the size of the area of review (fixed radius or equation). The area of review shall be a fixed radius of $\frac{1}{4}$ mile from the well bore unless the use of an equation is approved in advance by the Director.
- B. MAPS OF WELLS/AREA AND AREA OF REVIEW** — Submit a topographic map, extending one mile beyond the property boundaries, showing the injection well(s) or project area for which a permit is sought and the applicable area of review. The map must show all intake and discharge structures and all hazardous waste, treatment, storage, or disposal facilities. If the application is for an area permit, the map should show the distribution manifold (if applicable) applying injection fluid to all wells in the area, including all system monitoring points. Within the area of review, the map must show the following:

Class I

The number, or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, mines (surface and subsurface), quarries, and other pertinent surface features, including residences and roads, and faults, if known or suspected. In addition, the map must identify those wells, springs, other surface water bodies, and drinking water wells located within one quarter mile of the facility property boundary. Only information of public record is required to be included on this map;

Class II

In addition to requirements for Class I, include pertinent information known to the applicant. This requirement does not apply to existing Class II wells;

Class III

In addition to requirements for Class I, include public water systems and pertinent information known to the applicant.

- C. CORRECTIVE ACTION PLAN AND WELL DATA** — Submit a tabulation of data reasonably available from public records or otherwise known to the applicant on all wells within the area of review, including those on the map required in B, which penetrate the proposed injection zone. Such data shall include the following:

Class I

A description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Director may require. In the case of new injection wells, include the corrective action proposed to be taken by the applicant under 40 CFR 144.55.

Class II

In addition to requirements for Class I, in the case of Class II wells operating over the fracture pressure of the injection formation, all known wells within the area of review which penetrate formations affected by the increase in pressure. This requirement does not apply to existing Class II wells.

Class III

In addition to requirements for Class I, the corrective action proposed under 40 CFR 144.55 for all Class III wells.

- D. MAPS AND CROSS SECTIONS OF USDWs** — Submit maps and cross sections indicating the vertical limits of all underground indicating the vertical limits of all underground sources of drinking water within the area of review (both vertical and lateral limits for Class I), their position relative to the injection formation and the direction of water movement, where known, in every underground source of drinking water which may be affected by the proposed injection. (Does not apply to Class II wells.)
- E. NAME AND DEPTH OF USDWs (CLASS II)** — For Class II wells, submit geologic name, and depth to bottom of all underground sources of drinking water which may be affected by the injection.
- F. MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA** — Submit maps and cross sections detailing the geologic structure of the local area (including the lithology of injection and confining intervals) and generalized maps and cross sections illustrating the regional geologic setting. (Does not apply to Class II wells.)
- G. GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES (CLASS II)** — For Class II wells, submit appropriate geological data on the injection zone and confining zones including lithologic description, geological name, thickness, depth and fracture pressure.

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Office of Enforcement

H. OPERATING DATA — Submit the following proposed operating data for each well (including all those to be covered by area permits): (1) average and maximum daily rate and volume of the fluids to be injected; (2) average and maximum injection pressure; (3) nature of annulus fluid; (4) for Class I wells, source and analysis of the chemical, physical, radiological and biological characteristics, including density and corrosiveness, of injection fluids; (5) for Class II wells, source and analysis of the physical and chemical characteristics of the injection fluid; (6) for Class III wells, a qualitative analysis and ranges in concentrations of all constituents of injected fluids. If the information is proprietary, maximum concentrations only may be submitted, but all records must be retained.

I. FORMATION TESTING PROGRAM — Describe the proposed formation testing program. For Class I wells the program must be designed to obtain data on fluid pressure, temperature, fracture pressure, other physical, chemical, and radiological characteristics of the injection matrix and physical and chemical characteristics of the formation fluids.

For Class II wells the testing program must be designed to obtain data on fluid pressure, estimated fracture pressure, physical and chemical characteristics of the injection zone. (Does not apply to existing Class II wells or projects.)

For Class III wells the program must be designed to obtain data on fluid pressure, fracture pressure, and physical and chemical characteristics of the formation fluids if the formation is naturally water bearing. Only fracture pressure is required if the formation is not water bearing. (Does not apply to existing Class III wells or projects.)

J. STIMULATION PROGRAM — Outline any proposed stimulation program.

K. INJECTION PROCEDURES — Describe the proposed injection procedures including pump, surge, tank, etc.

L. CONSTRUCTION PROCEDURES — Discuss the construction procedures (according to §146.12 for Class I, §146.22 for Class II, and §146.32 for Class III) to be utilized. This should include details of the casing and cementing program, logging procedures, deviation checks, and the drilling, testing and coring programs, and proposed annulus fluid. (Request and submission of justifying data must be made to use an alternative to a packer for Class I.)

M. CONSTRUCTION DETAILS — Submit schematic or other appropriate drawings of the surface and subsurface construction details of the well.

N. CHANGES IN INJECTED FLUID — Discuss expected changes in pressure, native fluid displacement, and direction of movement of injected fluid. (Class III wells only.)

O. PLANS FOR WELL FAILURES — Outline contingency plans (proposed plans, if any, for Class II) to cope with all shut-ins or well failures, so as to prevent migration of fluids into any USDW.

P. MONITORING PROGRAM — Discuss the planned monitoring program. This should be thorough, including maps showing the number and location of monitoring wells as appropriate and a discussion of monitoring devices, sampling frequency, and parameters measured. If a manifold monitoring program is utilized, pursuant to §146.23(b)(5), describe the program and compare it to individual well monitoring.

Q. PLUGGING AND ABANDONMENT PLAN — Submit a plan for plugging and abandonment of the well including: (1) describe the type, number, and placement (including the elevation of the top and bottom) of plugs to be used; (2) describe the type, grade, and quantity of cement to be used; and (3) describe the method to be used to place plugs, including the method used to place the well in a state of static equilibrium prior to placement of the plugs. Also for a Class III well that underlies or is in an exempted aquifer, demonstrate adequate protection of USDWs. Submit this information on EPA Form 7520-14, Plugging and Abandonment Plan.

R. NECESSARY RESOURCES — Submit evidence such as a surety bond or financial statement to verify that the resources necessary to close, plug or abandon the well are available.

S. AQUIFER EXEMPTIONS — If an aquifer exemption is requested, submit data necessary to demonstrate that the aquifer meets the following criteria: (1) does not serve as a source of drinking water; (2) cannot now and will not in the future serve as a source of drinking water; and (3) the TDS content of the ground water is more than 3,000 and less than 10,000 mg/l and is not reasonably expected to supply a public water system. Data to demonstrate that the aquifer is expected to be mineral or hydrocarbon producing, such as general description of the mining zone, analysis of the amenability of the mining zone to the proposed method, and time table for proposed development must also be included. For additional information on aquifer exemptions, see 40 CFR 144.7 and 146.04.

T. EXISTING EPA PERMITS — List program and permit number of any existing EPA permits, for example, NPDES, PSD, RCRA, etc.

U. DESCRIPTION OF BUSINESS — Give a brief description of the nature of the business.

000185

(SUBMIT IN QUADRUPLICATE)

ARM 36.22.307 ARM 36.22.1003
 ARM 36.22.601 ARM 36.22.1004
 ARM 36.22.602 ARM 36.22.1013
 ARM 36.22.603 ARM 36.22.1301
 ARM 36.22.604 ARM 36.22.1306
 ARM 36.22.605 ARM 36.22.1309

NOTICE
 THIS FORM BECOMES A
 PERMIT WHEN STAMPED
 APPROVED BY AN AGENT
 OF THE BOARD.

TO
 BOARD OF OIL AND GAS CONSERVATION
 OF THE STATE OF MONTANA
 BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well	XXXX	Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 21

19 84

Following is a { notice of intention to do work } on land { owned } described as follows:
 { report of work done } { leased }

LEASE Buckles

MONTANA Roosevelt East Poplar
 (State) (County) (Field)

Well No. "SWD" #1 SE NW 22 28N 51E
 (m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from N line and 1853 ft. from EX line of Sec. 22
 (m. sec.) (Township) (Range) (Meridian)

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085'

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
 RESULT

TXO Production Corp. proposes to P & A this well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:

Set 35 sxs cmt plug above perfs.

Set 30 sxs cmt plug @ surface.

Verbal approval was given by Claire Houghy at the Montana Board of Oil & Gas Conservation in Billings on 5-21-84.

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FEB 25 2000

Compliance & Env. Justice

Approved subject to conditions on reverse of form

Date JUN 18 1984

ORIGINAL COPY SIGNED BY:

By Claire F. Houghy, Field Supervisor
 District Office Agent

Title

Company TXO Production Corp.

By M. David Clouatre

Title Drilling & Production Engineer

Address 1800 Lincoln Center Building

Denver, CO 80264

BOARD USE ONLY
 API WELL NUMBER

STATE	COUNTY	WELL
1	5	

NOTE:—Reports on this form to be submitted to the appropriate District for approval

DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

000074

WF

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
OIL AND GAS CONSERVATION DIVISION

TO: TXO Production Corp.
Attn: Mr. David C. Mather
1800 Lincoln Center Bldg
Denver, Colorado 80264
LEASE: Buckles SWD #1
LOCATION SE NW 22-28N-51E
COUNTY: Roosevelt

DATE 6-12-84
BY Ethel Rogers
OFFICE 2535 St. Johns Ave.
Billings, MT 59102

FIELD REPORTS:

I. Drilling, producing, and storage areas that require attention

<input type="checkbox"/>	<input type="checkbox"/>	Well Head	<input type="checkbox"/>	<input type="checkbox"/>	Circulating pump	<input type="checkbox"/>	<input type="checkbox"/>	Sour Gas
<input type="checkbox"/>	<input type="checkbox"/>	Pump Jack Unit	<input type="checkbox"/>	<input type="checkbox"/>	Drill Location	<input type="checkbox"/>	<input type="checkbox"/>	Flow Line
<input type="checkbox"/>	<input type="checkbox"/>	Tank Battery	<input type="checkbox"/>	<input type="checkbox"/>	Reserve Pit	<input type="checkbox"/>	<input type="checkbox"/>	Pipe Line
<input type="checkbox"/>	<input type="checkbox"/>	Fire Walls	<input type="checkbox"/>	<input type="checkbox"/>	Evaporation Pit	<input type="checkbox"/>	<input type="checkbox"/>	Brine Water Line
<input type="checkbox"/>	<input type="checkbox"/>	Lease Dyke	<input type="checkbox"/>	<input type="checkbox"/>	Emergency Pit	<input type="checkbox"/>	<input type="checkbox"/>	Gas Flare
<input type="checkbox"/>	<input type="checkbox"/>	Treater	<input type="checkbox"/>	<input type="checkbox"/>	Brine Water Tank	<input type="checkbox"/>	<input type="checkbox"/>	Pit Liner
<input type="checkbox"/>	<input type="checkbox"/>	Treater Pit	<input type="checkbox"/>	<input type="checkbox"/>	Water Disposal System	<input type="checkbox"/>	<input type="checkbox"/>	Seismic Hole

OTHER _____

Received
Office of Enforcement

FEB 25 2000

II. REQUIRED FORMS, REPORTS, AND DATA:

<input type="checkbox"/>	<input type="checkbox"/>	Form #4 Completion Report	<input type="checkbox"/>	<input type="checkbox"/>	Water Analysis
<input type="checkbox"/>	<input type="checkbox"/>	Form #2 Notice of Intent to Abandon	<input type="checkbox"/>	<input type="checkbox"/>	Change of Operator (Form #2)
<input type="checkbox"/>	<input type="checkbox"/>	Form #2 Subsequent Report of Abandonment	<input type="checkbox"/>	<input type="checkbox"/>	Oil Spill (50 bbls. or more)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Geological Report (2 copies) <i>(see logs)</i>	<input type="checkbox"/>	<input type="checkbox"/>	Water Well Release (6 copies)
<input type="checkbox"/>	<input type="checkbox"/>	Drill Stem Tests (2 copies)	<input type="checkbox"/>	<input type="checkbox"/>	Flow or Pipeline rupture
<input type="checkbox"/>	<input type="checkbox"/>	Cement invoices (1 copy @)	<input type="checkbox"/>	<input type="checkbox"/>	Contamination, Stream - Reservoir
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electric logs (2 copies each)	<input type="checkbox"/>	<input type="checkbox"/>	Fire, Well-storage tank
			<input type="checkbox"/>	<input type="checkbox"/>	Follow-up Written Report

Compliance & Env. Justice

OTHER _____

In order to remove this well from your bond we have to complete the file. The above requested data is required in order that we may complete it.

INDEX

- | | | |
|--------------------------------|-------------------------------|----------------------|
| 1. Breached | 9. Oil On Surface | 18. Syphon |
| 2. Condemned | 10. Repair | 19. Trash not buried |
| 3. Emergency Action | 11. Re-seed | 20. Unauthorized |
| 4. Fence | 12. Restoration (method used) | 21. Unsatisfactory |
| 5. Leaking | 13. Request C.O.R. | 22. Venting |
| 6. No Scare Devices | 14. Ruptured | 23. Water Flow |
| 7. No Well identification sign | 15. Safety Guard | 24. Install |
| 8. No Dry Hole Marker | 16. Soil Contamination | 25. Oil Spill |
| | 17. Sour Gas Sign Required | 26. Delinquent |
| | | 27. Approved |

OTHER: _____

REPORT ACTION TAKEN TO: _____

000078

ARM 36.22.307	ARM 36.22.1003
ARM 36.22.601	ARM 36.22.1004
ARM 36.22.602	ARM 36.22.1013
ARM 36.22.603	ARM 36.22.1301
ARM 36.22.604	ARM 36.22.1306
ARM 36.22.605	ARM 36.22.1309

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BELLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
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Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History Formation Tops	XXXXX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

..... July 7 19 84

Following is a { notice of intention to do work { on land } owned { described as follows:
report of work done { leased }

LEASE.....Buckles

.....MONTANA.....Roosevelt.....East Poplar.....
(State).....(County).....(Field).....

Well No. "SWD" #1 22 28N 51E
(m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from } N { line and 1853 ft. from } XXX { line of Sec. 22
S { E { W {

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085'

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

The formations & tops are as follows:

Bear Paw	Surface
Judith River	776' KB
TD	960' KB

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Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

Approved subject to conditions on reverse of form

Date.....

By.....
District Office Agent Title

Company.....TXO Production Corp.

By M. David Clouatre
M. David Clouatre

Title Drilling & Production Engineer

Address 1800 Lincoln Center Building
Denver, Colorado 80264

[illegible]

NOTE:—Reports on this form to be submitted to the appropriate District for approval
 DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN
 REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

000082

**Locate well by footage measurement from legal subdivision (Section) line
and nearest drilling or producible well, if any.**

Form No. 2

**File at
Billings
or Shelby**

Form No. 2

**File at
Billings
or Shelby**

**Locate
Well
Correctly**

Twp.....

		Rge.....			

SCALE—1"=2000'

Received
Office of Enforcement

FEB 25 2000

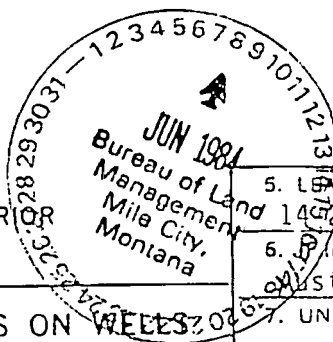
Compliance & Env. Justice

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 36.22.1013 and one copy of all cementing records as furnished by the cementing company and described in Rule 36.22.1241.
11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

000083

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other SWD Well

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
14520-0256-5066 Ft. Peck
6. INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Buckles

9. WELL NO.
"SWD" #1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E

12. COUNTY OR PARISH 13. STATE
Roosevelt Montana

14. API NO.
25-085-21336

15. ELEVATIONS (SHOW OF, KDB, AND WD)
2085' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details)

CONDITIONS OF APPROVAL:

Please be advised that final abandonment shall not be approved until the surface reclamation work required by the approved drilling permit or approved subsequent report of abandonment notice has been completed to the satisfaction of the surface management agency. Upon completion of reclamation work, the lessee or operator shall notify the Bureau of Land Management, Miles City District, Division of Minerals via Sundry Notice (form 3160-5) when the location is ready for inspection as per Operating Order # 1, Section V. Bond liability for the location shall not be terminated until approval of final abandonment by the Miles City BLM.

SIGNED M. David Clouatre
M. David Clouatre

TITLE Drlg. & Prod. Engineer June 1, 1984

(This space for Federal or State office use)

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY:

TITLE ADM. MINERALS

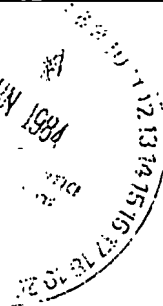
DATE

JUN 13 1984

000075

P & A - MONTANA

BUCKLES "SWD" #1
Roosevelt Co./22-28N-51E



05/24/84 SITP 240#, SICP 235#. RU Halliburton. Test lines to 2000#. Pump 20 bbls fresh wtr. Had 500# @ 4 BPM. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Couldn't obtain squeeze after 10 bbls fresh wtr pumped. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Obtain squeeze w/ 5.5 bbls total flush @ 1000#. SWI for 20 min. Bled press to 500#. SWI. SDFN. DW: 2900. CW: 2900.

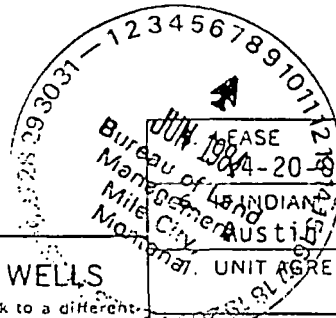
05/26/84 RU Allison Rig #8. ND wellhead. NU BOP. Attempt to release pkr. No tension on tbg. TOOH w/ 2-7/8" tbg & Model "AD-1" pkr. TIH w/ tbg to 685'. RU Halliburton. Pump 35 sxs Cl "G" cmt from 685-615'. TOOH & LD tbg. Pump 30 sxs surf plug. RD Halliburton. ND BOP. RD Allison & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 8778. CW: 11,678.

Received
Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

000076

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1-24



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other SWD Well

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

LEASE
25-085-21336-5066 Ft. Peck
INDIAN ALLOTTEE OR TRIBE NAME
Austin, R. Buckles
UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Buckles

9. WELL NO.
"SWD" #1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E

12. COUNTY OR PARISH 13. STATE
Roosevelt Montana

14. API NO.
25-085-21336

15. ELEVATIONS (SHOW OF, KDB, AND WD)
2085' GL

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TXO Production Corp. proposes to P & A this well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:
Set 35 sxs cmt plug above perms.
Set 30 sxs cmt plug @ surf.

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Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Cloutre TITLE Drlg & Prod. Engineer DATE June 1, 1984
M. David Cloutre

(This space for Federal or State office use)

APPROVED BY _____ TITLE ADM-MINERALS DATE JUN 13 1984
CONDITIONS OF APPROVAL, IF ANY:

000077



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

Contract No. 14-20-0256-5066
5. ~~XXXXXX DISPOSITION AND SERIAL NO.~~

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other S.W. Disposal

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Geological Survey

2. NAME OF OPERATOR

Texas Oil & Gas Corp.

3. ADDRESS OF OPERATOR

2705 Montana Avenue, Suite 300, Billings, Montana 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1803' FNL, 1853' FWL

At top prod. interval reported below

At total depth

1803' FNL, 1853' FWL

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH
Roosevelt

13. STATE
Montana

15. DATE SPUNDED
5-13-81

16. DATE T.D. REACHED
5-25-81

17. DATE COMPL. (Ready to prod.)
6-2-81

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*
2085' GR

19. ELEV. CASINGHEAD
2086'

20. TOTAL DEPTH, MD & TVD
960'

21. PLUG, BACK T.D., MD & TVD
850'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS
Surf → TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

785' - 846'; Judith River

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, GR, CCL

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	17#	960	8 3/4"	1310 Sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	689'	685'

31. PERFORATION RECORD (Interval, size and number)

785' - 90'; 0.41"; 21
794' - 97'; 0.41"; 13
807' - 11'; 0.41"; 17
822' - 24'; 0.41"; 9
839' - 46'; 0.41"; 29

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
785' - 846'	500 gal 15% acid

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
6-16-81		Injection with pump					Active Injection	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS/OIL RATIO	
6-16-81	1	2"	→			222		
FORM TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
650		→			3.7 bbl/min			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY
Jeff Dyke

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

H. J. Ragie

TITLE

Drilling Engineer

DATE

6-18-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

COPY 5

TXO SWD

BUCKLES SWD#1

085-21336
SE NW

LOCATE WELL CORRECTLY

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

COMPLETION REPORT

Form No.
Gen. Rule 206.3 and 21

6

Company Texas Oil & Gas Corp. Lease Buckles "SWD" Well No. 1
 Address 2705 Montana Avenue, Suite 300
Billings, MT 59101 Field (or Area) F. Poplar
 The well is located 1803 ft. from (N) line and 1853 ft. from (W) line of Sec. 22
 Sec. 22; T. 28N; R. 51E; County Roosevelt; Elevation 2085' GL
 (D.F., R.B. or G.L.)
 Commenced drilling 5-13, 1981; Completed 5-25, 1981

The information given herewith is a complete and correct record of the well. The summary on this page is for the condition of the well at the above date.

Completed as injection well
 (oil well, gas well, dry hole)
 Signed H. J. Kagie
 Title Drilling Engineer
 Date June 18, 1981

IMPORTANT ZONES OF POROSITY

(denote oil by O, gas by G, water by W; state formation if known)

From 776 to T.D.; W; Judith River
 From to
 From to
 From to

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sacks of Cement	Cut and Pulled from
7"	17#	J-55	8rd	960'	Surf.	960'	1310	

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2 7/8"	6.5#	J-55	8rd	677'	

COMPLETION RECORD

Rotary tools were used from surface to total depth
 Cable tools were used from to
 Total depth 960 ft.; Plugged back to 850' T.D.; Open hole from to

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED		
Interval	From	To	Interval	From	To
	785	790			
	794	797			
	807	811			
	822	824			
	839	846			

(If P&A show plugs above)

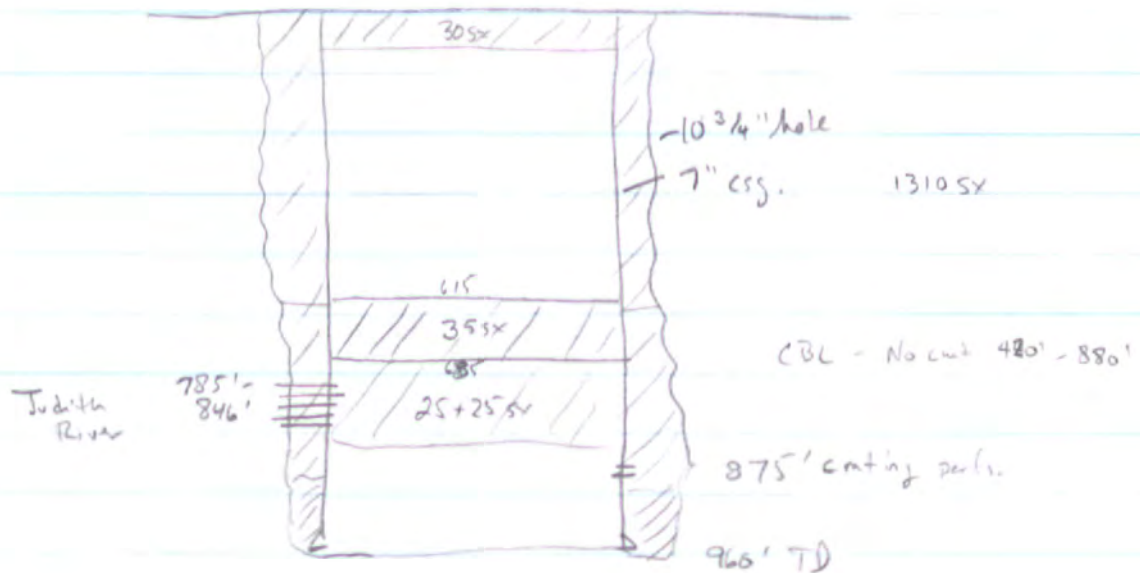
INITIAL PRODUCTION

injecting into Judith River
 Well is producing from (pool) formation.
 P. 3.7 wtr barrels of oil per minute hours at 650 psi tubing pressure
 (pumping or flowing)
 Mcf of gas per hours.
 barrels of water per hours, or % W.C.
 (OVER)

Buckles "SWD" - 1

Drilled 5-25-81

P.A'd 5-25-84



difficulties when drilling.

1. Water flowed up backside to surf. twice, breaking thru cut ea. time.

By N. Wiser

TXO DRILLING:

BUCKLES "SWD" #1 (950')
Prop. #7839, AFE #81-8653
Roosevelt Co, MT/TXO 100%
22-T28N-R51E

5/14/81 110' (70'). Drlg. Spud 8:25 pm
5/13/81. Day 1. (CWC: \$13,353).

5/15/81 180' (70'). Prep to TOOH.
Day 2. (CWC: \$18,535).

5/16/81 280' (100'). TOOH. 9.4/38.
TOOH w/ 4-3/4" DC, PU & TIH
w/6-6 1/2" DC. Resumed drlg. Pene-
tration rate dropped off-inadequate
power swivel & mud pump. Prep to
SDR until adequate drlg equip is
obtained. Day 3. (CWC \$24,899).

5/17/81 280' Rep Rig. TOOH & SDR.
Day 4. (CWC: \$26,343).

5/18/81 MOR. Unable to RU.
WO Drlg. Rig. Day 5. (CWC: \$27,39).

5/19/81 280'. WO Drlg Rig. Allied Drlg.
should be on location this pm.
Day 6. (CWC: \$27,893).

5/20/81 RU Allied Drlg. Day 7.
(CWC: \$27,893).

5/21/81 280'. WODC. Surface. RU
Allied Explor. Drlg. Rig. RIH
w/6 1/2" drl. collars & 8-3/4" bit.
Hit fill @ 90'. Wash & ream to
195'. SD to rep mud pump. Pull
& LD 6 1/2" drl. collars. WO
4-3/4" DC. (CWC: \$31,913). Day 8

5/22/81 280'. Reaming Hole. 9.3/55.
TIH w 8-3/4" bit & 4-3/4" DC.
Wash & ream hole to 100'. Bit
plgd. POOH. Rep mud pump eng.
TIH w/bit. Wash & ream from
100-130'. Day 9. (CWC: \$36,963).

5/23/81 328' (48'). Drlg. Day 10.
(CWC: \$42,463).

5/24/81 341' (13'). Drlg. Day 11.
(CWC: \$47,963).

5/25/81 589' (261'). Drlg. Day 12.
(CWC: \$53,463).

Received
Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

000030

TXO DRILLING:

BUCKLES "SWD" #1 (950')
Prop. #7839, AFE #81-8653
Roosevelt Co, MT/TXO 100%
22-T28N-R51E

- 5/26/81 960' (371'). TD 960'. Cond. hole. LDDC. Ran 7" 17# csg. RU Howco, tried 250 sxs CaC #6 cmt. Day 13. (\$74,703).
- 5/27/81 Cem w/Western Co., 50 sx 1st run, no cem ret, 2nd run, 100 sx, some ret, 3rd run, 250 sx, good ret. (CWC: \$87,203).
- 5/28/81 Cem held 8 hrs, wtr strtd flowing to surf when pulled 1" & 3/4" pipe out from between conductor pipe & 7" csg. Went back down between conductor pipe & 7" w/50 sxs. Cem held 3 hrs. before well strtd flowing water behind the conductor pipe. Est rate approaching 1800 BPD. (CWC: \$87,203).
- 5/29/81 Cem held 3 hrs; wtr flow broke thru to surf again-wtr cut w/ flammable gas. Pmpd 150 sx barite down 1" flow string into 7" x 10-3/4" annulus, followed w/ 300 sx Thixotropic cmt, good circ rets throughout. Cem held 15 mins, wtr flow resumed. Prep to run logs in 7" csg to evaluate wtr flow. (CWC: \$111,020).
- 5/30/81 Temp log indicates wtr flow from Judith River, CBL indicates lack of cem from base of Judith River 880' to 420'. Perf 7" csg @ 875' w/4 holes, cem down 7" csg w/Class G, 3% CaCl, & 1/2# sk Tuf-Plug, pumped 6 BPM @ 250 psi w/full returns. Cmt. returns to surf @ 360 sx, perfs squeezed off @ 1000 psi, ran 6 1/2" bit to wash out cmt from csg. No wtr flow @ surf. (CWC: \$117,720).
- 5/31/81 Drld solid cmt inside 7" csg from surf to 500'. CBL log indicates full or partial cmt to surf. No wtr flow @ surf. (CWC: \$133,100).

Received
Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

000031

TXO DRILLING:

BUCKLES "SWD" #1 (950')
Prop. #7839, AFE #81-8653
Roosevelt Co, MT/TXO 100%
22-T28N-R51E

6/1/81 Drlg cmt to 850' KB, Prep to run
CBL. (CWC: \$140,200).

6/2/81 RU Prairie Wireline. Run CDL.
Cmt ok. SD due to rain &
muddy roads. (CWC: \$143,700).

6/3/81 Cut off cond pipe. Run Baker
Model AD-1 pkr w/Model F SN below
pkr (2.31" ID). Ran 22 jts
2 7/8" 6.5# K-55 tbg. Int
plastic coated. Pkr set @ 685'
GL, SN @ 689' GL. Circ. hole w/
inhibited pkr fluid. Set pkr
w/30,000# tension. Instl wlhd.
RU Prairie Wireline. Perf 7"
csg in Judith River formation
@ 785-90', 794-97', 807-11',
822-24', 839'-46' w/4 SPF,
using 2 1/8" expendable tbg gun.
Well flwng back small stream of
water. SITP 100 psi in 1 hr.
RD Allied Drlg. RR @ 5 pm
6/2/81. DROP FROM REPORT UNTIL
INJECTION PUMP FACILITY INSTALLED.
(CWC: \$160,870)

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

000032

DAILY DRILLING REPORT

DATE 6-3-81

DAY 19

OPERATOR TXD

WELL Buckles SWD #1

DEPTH _____ OPERATIONS REPORT TIME _____

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION:

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP____; GELS____; OIL____; LCM____;

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM _____
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM _____

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS:

Get off conductor pipe.

REMARKS: 6' Run
Baker model 9D-1 Baker with
model F S.N. 6 below
(2.31" ID), Can 33 pts
2 7/8" 6.5# KSS thg
Ink plastic coated. 6 pkr.
@ 685' 4L SN 2
689' 4L 6.5# hole
w/ inhibited pkr fluid
6 pkr. with 30,000 # Tension.
Instld. wellhead RU
Praise Wireline. Push
7" ssq. In Judith River

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS_____

MATERIALS (csg & wh) _____

~~000033~~

DAILY TOTAL \$ 17, 170

CUMULATIVE 160,870

BUCKLES SWD #1

June 2

Rig up. Prairie Wire Line

Run CDL

Cement OK. Shut down
due to rain and muddy
roads.

Daily cost \$3,500.00

Leo

CWC 143,700

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

000034

DAILY DRILLING REPORT

DATE 6-1-81

DAY _____

OPERATOR TXO

WELL Buckles SWD #1

Received
Office of Enforcement

FEB 25 2000

DEPTH _____ OPERATIONS REPORT TIME _____

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS

Compliance & Env. Justice

FORMATION: _____

MUD: WT____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

NO.2 PUMP PRESSURE _____ PUMP _____"X_____"X_____SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Drilled cont to 850' KB, Pres
to run CBh.

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS_____

MATERIALS (csg & wh) _____

000035

DAILY TOTAL \$ 7100

CUMULATIVE \$ 140,200

DAILY DRILLING REPORT

DATE 5-31-81

DAY _____

OPERATOR TXU ..

WELL Buckles SWD #1

Received
Office of Enforcement

DEPTH _____ OPERATIONS REPORT TIME _____

FEB 25 2000

_____ FEET DRILLED IN LAST TWENTY-FOUR MONTHS

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ " X _____ " X _____ SPM

NO.2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS:

Drilled solid cmt inside 7" casing
surface to 500'. CBL log
is full or partial cmt to surf.
flow @ surface.

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS _____

MATERIALS (csq & wh) _____

000036

DAILY TOTAL 15,200 ~~15,200~~

CUMULATIVE \$133,100

100

5-30-81

DAY

IXC

Buckles SIND #1

Received

FEB 25 2000

DEPTH

OPERATIONS

REPORT TIME

Compliance & Env. Justice
HOLIBS

FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION:

MUD: WT____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM ..
NO. 2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Temperature log indicates wtr flow from Judith River, CBI indicates lack of cement from base of Judith River - 880' to 420'. Perf 7" csg @ 875' w/ 4 holes, cemented down 7" csg w/ Class "C", 32 Gal CaCl_2 , & 1/2 lb/sk Inf-Plug; Pumped 6 BPM @ 250 psi w/ full returns. Cmt returns to surf @ 360 5x, perms squeezed off @ 1000 psi. Ran 6 1/4" bit to wash out cmt from csg. No wtr flow at surface.

<u>DAILY COSTS</u>	
RIG	
MUD	
WATER	
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	
MATERIALS (csg & wh)	
	000037
DAILY TOTAL	\$ 6700
CUMULATIVE	\$ 117,720

DAILY DRILLING REPORT

DATE 5-29-81

DAY 14

OPERATOR TXO

WELL Buckles SWD #1

Received
Office of Enforcement

FEB 25 2000

DEPTH _____ OPERATIONS REPORT TIME Logging

Compliance & Env. Justice

FEET DRILLED IN LAST TWENTY-FOUR HOURS _____

FORMATION: Judith River

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP "X" "X" SPM
NO. 2 PUMP PRESSURE _____ PUMP "X" "X" SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Cement held 3 hrs, wth flow broke thru to surface again - wth cut w/ flammable gas. Pumped 150 sx barite down 1" flow string into 7"x10 3/4" annulus, followed w/ 300 sx Thixotropic cement, good circ returns throughout.
Cement held 15 mins, wth flow resumed. Prepare to run logs in 7" csg to evaluate wth flow.

DAILY COSTS

RIG _____
MUD _____
WATER _____
BITS _____
LOGGING _____
TESTING _____
CEMENTING _____
RENTALS _____
MATERIALS (csg & wh) _____
000038
DAILY TOTAL
CUMULATIVE \$111,020

DAILY DRILLING REPORT

DATE 5-28

DAY 13

OPERATOR TXU

WELL Bugher, SWD

Received
Office of Enforcement

FEB 25 2000

DEPTH 960' OPERATIONS REPORT TIME WOG

Compliance & Env. Justice

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO. 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: com w/ water,
500k, PD 5am.

500k - NR

1000k - same

2500k - Good 8 hrs.

break

Still flowing 1800 BOP

behind

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING _____

RENTALS _____

MATERIALS (csg & wh) _____

000039

DAILY TOTAL \$13,000

CUMULATIVE \$100,303

DAILY DRILLING REPORT

DATE 5-28-81

DAY _____

OPERATOR TXO

WELL Buckles SWD

Received
Office of Enforcement

FEB 25 2000

DEPTH _____ OPERATIONS REPORT TIME _____

Compliance & Env. Justice

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

NO 2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Cement held 8 hrs. Water
sttd. flowing to surface
not when pulled 1" x 3/4" pipe
out from between conductor
pipe & 7" csg. Went back
down between conductor
pipe & 7" csg. 50 sps. cm,
held 3 hrs, before well
sttd. flowing water
behind the conductor
pipe. Est rate approach-
ing 1800 BPD.

DAILY COSTS

RIG _____
MUD _____
WATER _____
BITS _____
LOGGING _____
TESTING _____
CEMENTING _____
RENTALS _____
MATERIALS (csg & wh) _____
000040
DAILY TOTAL
CUMULATIVE

DAILY DRILLING REPORT

DATE 5-27-81

DAY 12

OPERATOR TXO

WELL Buckles SWD #1

Received
Office of Enforcement

FEB 25 2000

DEPTH _____ OPERATIONS REPORT TIME _____

Compliance & Env. Justice

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Cementing w/ Western
Co. 50 sks. 1st run.
No cement return.
2nd run, 100 sks.
Same return.
3rd run, 250 sks.
good return.

(Not quite filled,
let sit for 8 hrs.)

DAILY COSTS

RIG _____
MUD _____
WATER _____
BITS _____
LOGGING _____
TESTING _____
CEMENTING _____
RENTALS _____
MATERIALS (csg & wh) _____
000041
112,500 \$12,500
CUMULATIVE \$87,303

1

CUMULATIVE \$ 74,703

DAILY DRILLING REPORT

DATE 5-25-81

DAY 12

OPERATOR TXO

WELL Buckles SWD #

Received
Office of Enforcement

FEB 25 2000

DEPTH 589' OPERATIONS REPORT TIME 261'

Compliance & Env. Justice

14.5 FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

NO 2 PUMP PRESSURE _____ PUMP _____ "X _____" X _____ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS:

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS _____

MATERIALS (csg & wh) _____

000043

DAILY TOTAL

CUMULATIVE \$53,463

DAILY DRILLING REPORT

DATE 5-24-81

DAY 11

OPERATOR TV D

WELL Buckles SWD #1

Received
Office of Enforcement

FEB 25 2000

DEPTH 341' OPERATIONS REPORT TIME 13'

Compliance & Env. Justice

20.5 FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ " X _____ " X _____ SPM

NO 2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Change bit

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. On the left side, there is a small portion of a binder edge, showing some metal rings and a dark binding material. The paper appears slightly aged or off-white.

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING_____

CEMENTING_____

RENTALS _____

MATERIALS (csg & wh) _____

0000-0001

DAILY TOTAL

CUMULATIVE \$47,963

DAILY DRILLING REPORT

DATE 5-23-81

DAY 10

OPERATOR TXO

WELL Buckles SWD #1

Received
Office of Enforcement.

FEB 25 2000

DEPTH 328' OPERATIONS REPORT TIME 1214 1214 Compliance & Env. Justice
48' FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM
NO. 2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: _____

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS_____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS_____

MATERIALS (csg & wh) _____

~~000045~~

DAILY TOTAL

CUMULATIVE \$42,463

23- (8) 328' (98') Dr/g.
42463

24- 341 (13') Dr/g.
Change bit 47963

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

25- 589' (261') Dr/g.
53463

26- 960' (3701')

TD @ 960', Cond bit, LD
collars. R. 7" 17# cas.

RU Hawco, tried 250-
Co A#G cont.

(74703)

DAILY DRILLING REPORT

DATE 5-22-81

DAY 7 9.

OPERATOR TXU

WELL Buckles SWD #1

DEPTH 280' OPERATIONS REPORT TIME Reaming hole

0' FEET DRILLED IN LAST TWENTY-FOUR HOURS. Received
Office of Enforcement

FORMATION: _____ FEB 25 2000

MUD: WT 9.3, VIS 55; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____
Compliance & Env. Justice

YP _____; GELS _____; OIL _____; LCM _____;

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS:
W/O 4 3/4" drl. collars
TIH w/ 8 3/4" bit +
4 3/4" drl. collars
Wash & Ream hole
to 1 in. Bit plug
POOH. Rep. mud
2100 engine TIH
w/ bit wash & ream
from 100' - 130'

DAILY COSTS	
RIG	<u>3 000</u>
MUD	
WATER	
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	<u>1 500</u>
MATERIALS (csg & wh)	
Tran	<u>500</u>
M, sr	<u>.50</u>
	<u>000047</u>
DAILY TOTAL	<u>5,050</u>
CUMULATIVE	<u>36 963</u>

DAILY DRILLING REPORT

DATE 5-21-81

DAY 6 7 8

OPERATOR TXO

WELL Buckles SWD #1

Received
Office of Enforcement

FEB 25 2000

DEPTH 280' OPERATIONS REPORT TIME Rep. pump, w/o
0' FEET DRILLED IN LAST TWENTY-FOUR HOURS. will collar

FORMATION: Surface

MUD: WT 9.3; VIS 45; WL _____; FC _____; PH _____; SOLIDS _____; CL 62/80; PV _____
YP _____; GELS _____; OIL _____; LCM _____; Salt 102, 000

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: RU Allied Explor
Salg rig RTH w/ 6 1/2"
dr. collars + 8 1/2" bit
Hit bld at 90' Wash +
ream to 195' SD
to top mud pump
Pull + laid down
6 1/2" dr. collar
WO 4 1/2" dr. collar

DAILY COSTS	
RIG	<u>3.000</u>
MUD	<u>150</u>
WATER	<u>130</u>
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	<u>1000</u>
MATERIALS (csg & wh)	<u>Trucker 2500</u>
	<u>Welder 40</u>
	<u>Dirt work 000048</u>
DAILY TOTAL	<u>4520</u>
CUMULATIVE	<u>31913</u>

DAILY DRILLING REPORT

DATE 5-20-81

DAY 7

OPERATOR TXO

WELL Burkles SWD

Received
Office of Enforcement

DEPTH _____ OPERATIONS REPORT TIME _____ FEB 25 2000

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: RU Allied Explor.

neg.

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING_____

CEMENTING_____

RENTALS_____

MATERIALS (csg & wh) _____

DAILY TOTAL 000049
CUMULATIVE

DAILY DRILLING REPORT

DATE 5-19-81

DAY 10

OPERATOR TXO

WELL Buckles "SID" #1

DEPTH 280 OPERATIONS REPORT TIME W.O.

0 FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X _____"X _____ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Allied Drilling should be
on location this m.

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS 500

MATERIALS (csg & wh) _____

DAILY TOTAL	500
-------------	-----

CUMULATIVE 5 140383

DAILY DRILLING REPORT

DATE 5-18-81

DAY 5

OPERATOR TXD

Received
Office of Enforcement

WELL Bushy "SLID" #1

FEB 25 2000

DEPTH _____ OPERATIONS REPORT TIME Morning Compliance & Env Justice

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Unable to run up
adequate drilling rig.
Drilling as high as
down. (C) in well but
rig. W.O. depth. day
Shu.

DAILY COSTS	
RIG	<u>350</u>
MUD	
WATER	<u>200</u>
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	<u>500</u>
MATERIALS (csg & wh)	
000051	
DAILY TOTAL	<u>1050</u>
CUMULATIVE	<u>27393</u>

DAILY DRILLING REPORT

DATE 5-17-81

DAY 4

OPERATOR TXD

WELL Buadh #4113

Received
Office of Enforcement

1 FEB 25 2000

DEPTH 280

OPERATIONS REPORT TIME Remainder

Compliance & Env. Justice

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT _____; VIS _____; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: TOOK & shut in
down

DAILY COSTS	
RIG	<u>344</u>
MUD	
WATER	<u>360</u>
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	<u>500</u>
MATERIALS (csg & wh)	<u>Insulating 240</u>
	<u>000052</u>
DAILY TOTAL	<u>1444</u>
CUMULATIVE	<u>26343</u>

DAILY DRILLING REPORT

DATE 5-16-81

DAY 3

OPERATOR TXO

WELL BULLER SAND #1

Received
Office of Enforcement

FEB 25 2000

DEPTH 280

OPERATIONS REPORT TIME TOOH

Compliance & Env. Justice

100' FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT 7.4; VIS 38; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: TOOH w/ 4 3/4" D.C.

P. 12 & T1H w/ 1 - 1 1/4"

D.C. Resumed d.c.

Rate dropped at 280' due

to increased water, mixed sand

gravel. Proceeding to shut in

drill until pressure to drill

again has obtained

DAILY COSTS

RIG 5504

MUD _____

WATER 360

BITS _____

LOGGING _____

TESTING _____

CEMENTING _____

RENTALS 500

MATERIALS (csg & wh) _____

000053

DAILY TOTAL 6364

CUMULATIVE 24899

DAILY DRILLING REPORT

DATE 5-15-81

DAY 2

OPERATOR TXO

WELL Buckles Sand #1

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Office of Enforcement

FEB 25 2000

DEPTH 180' OPERATIONS REPORT TIME Prop to 100H for
70' FEET DRILLED IN LAST TWENTY-FOUR HOURS. heavier drill collars.

FORMATION: _____

MUD: WT 9.4; VIS 45; WL _____; FC _____; PH _____; SOLIDS _____; CL _____; PV _____

YP _____; GELS _____; OIL _____; LCM _____; _____

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
1	913580	8 ³ / ₄ "	Reed	Y-11-S	3- ³² / ₆₄ "	new	40' - 180'	140'	

WEIGHT ON BIT all RPM 100 NO. 1 PUMP PRESSURE 400 PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Down 6 hrs. - mud
pump. ~~Have~~ Replaced
mud pump - resumed
drilling.

DAILY COSTS

4472

RIG _____

MUD _____

WATER 360

BITS _____

LOGGING _____

TESTING _____

CEMENTING _____

RENTALS 350

MATERIALS (csg & wh) _____

000054

DAILY TOTAL 5182

CUMULATIVE 18,535

11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847

DAY 1

OPERATOR TXO

WELL Burkeston "SID" #1 / FEB 25 2000

DEPTH 110' OPERATIONS REPORT TIME Drilg. Compliance & Env. Justice
70' FEET DRILLED IN LAST TWENTY-FOUR HOURS. 24 hrs.

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____
YP____; GELS____; OIL____; LCM____; _____

WEIGHT ON BIT all of it RPM 100 NO. 1 PUMP PRESSURE 300 PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

REMARKS: Natural mud
Spud 8'25 pm 5-13-81

Set bleed max. air bar
765 Welding #360
Trucking #160A

| DAILY COSTS | |
|----------------------|--------|
| RIG | 2504 |
| MUD | 925 |
| WATER | 540 |
| BITS | 870 |
| LOGGING | |
| TESTING | |
| CEMENTING | 286 |
| RENTALS | 500 |
| MATERIALS (csg & wh) | |
| | |
| | |
| 000055 | |
| | |
| DAILY TOTAL | 13,353 |
| CUMULATIVE | |

DAILY DRILLING REPORT

DATE 5-13-81

DAY _____

OPERATOR TXO

WELL Buckles SWP #1

Received
Office of Enforcement.

FEB 25 2000

Compliance & Env. Justice

DEPTH _____ OPERATIONS REPORT TIME _____

_____ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: _____

MUD: WT____; VIS____; WL____; FC____; PH____; SOLIDS____; CL____; PV____

YP____; GELS____; OIL____; LCM____; _____

[illegible]

WEIGHT ON BIT _____ RPM _____ NO. 1 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM
NO 2 PUMP PRESSURE _____ PUMP _____ "X" _____ "X" _____ SPM

| SURVEYS: | DEPTH | ANGLE | DEPTH | ANGLE |
|----------|-------|-------|-------|-------|
| | | | | |
| | | | | |

REMARKS: _____

All equip. on location
Prep. to R.U.

DAILY COSTS

RIG _____

MUD _____

WATER _____

BITS _____

LOGGING _____

TESTING _____

CEMENTING_____

RENTALS_____

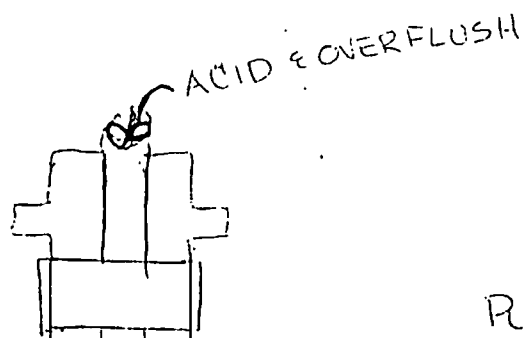
MATERIALS (csg & wh) _____

~~000056~~

DAILY TOTAL

CUMULATIVE

SERVICE & TESTING



ACID JOB BUCKLES SWD #1

PUMP.

- 1.) PREFLUSH W/ SALT WATER
- 2.) ACID JOB 500 gal (SPEAR-HEAD 15%)
- 3.) 320 BBL'S OVERFLUSH.

- 1.) WESTERN ON LOCATION AT 10:15 AS SCHEDULED.
- 2.) CHAIN UP TRUCK TO GET THROUGH MUD
- 3.) VALVE UP PUMP TRUCK TO SALT WATER TANK.
- 4.) SET PRESSURE TO 1000 PSI ON RELIEF VALVE. (POP-OFF TYPE)
- 5.) PRESSURE UP BACK SIDE TO 800 PSI
- 6.) HOOK UP RECORDER ON TUBING.
- 7.) RATE TAKING AT ^{750 BROKE TO FIELD AT} ECO
ABOUT .2 BBL/MIN

284 bbls TOTAL PUMPED BBL'S.

71 bbls 5.4 BBL'S WATER PRE FLUSH
left in 1100 ~~BBL'S~~ PSI 3.7 BBL/MIN

TANK

PRESSURE BREAK TO 650 PSI
PUMP LOAD IN AT 3.7 BBL/MIN
SINCE PUMP IS SO FAR FROM
TANK.

STAYED AT 600 POUNDS W/
3.1 BBL/MIN.

DROPPED TO ~~3.0~~ 2 BBL/MIN

DROPPED 50 PSI TO 500 PSI

AT 1 BBL/MIN DROPPED ^{received} 50 PSI TO
425 PSI.

Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

CASING - 17 1/2", 7", J-55
TUBING - 2 7/8"

file:

Buckles SWD #1

ASTRO-CHEM SERVICE LABORATORY

4102 2nd Ave. West

Williston, North Dakota 58801

Phone 701-572-7355

P. O. Box 972

WATER ANALYSIS REPORT

SAMPLE NUMBER: W-81-1596

DATE OF ANALYSIS 4/30/81

COMPANY: TEXAS OIL AND GAS

CITY: BILLINGS

STATE: MT

WELL NAME AND/OR NUMBER: BUCKLES A-1

DATE RECEIVED 4/16/81

DST NUMBER: .

SAMPLE SOURCE: SAMPLE CHAMBER

LOCATION: . OF SEC: . TUN: . RNG: .

FORMATION: . DEPTH: 5700-5840

DISTRIBUTION: BILLINGS OFFICE 2 COPIES
ATTN MIKE WALEN

RESISTIVITY@77°F= .083 OHM-METERS PH= 7.30

SPECIFIC GRAVITY@77°F= 1.065 H2S= NEG

TOTAL DISSOLVED SOLIDS (CALCULATED)= 83400 MG/L

SODIUM CHLORIDE (CALCULATED)= 81600 MG/L

Received
Office of Enforcement

FEB 25 2000

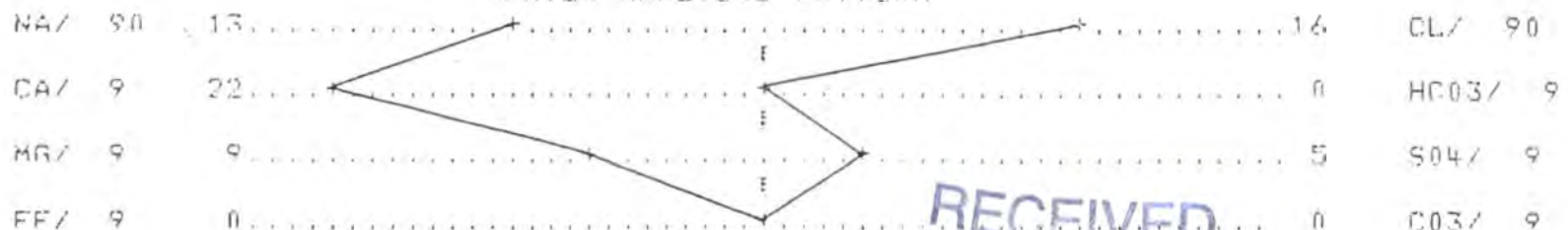
Compliance & Environmental Justice

CATIONS

ANIONS

| | MEQ/L | MG/L | | MEQ/L | MG/L |
|-----------|--------|-------|-------------|--------|-------|
| CALCIUM | 199.6 | 4000 | CHLORIDE | 1396.3 | 49500 |
| MAGNESIUM | 79.9 | 972 | CARBONATE | .0 | 0 |
| SODIUM | 1148.3 | 26400 | BICARBONATE | 3.4 | 207 |
| CHROMIUM | .3 | 2.8 | SULFATE | 47.9 | 2300 |
| IRON | .8 | 15.1 | NITRATE | .0 | 0 |
| BARIUM | .0 | 2.4 | | | |

WATER ANALYSIS PATTERN



MEQ/L

REMARKS: RECEIVED FROM JOHNSTON TESTERS

Office of Enforcement
Compliance & Environmental
Justice

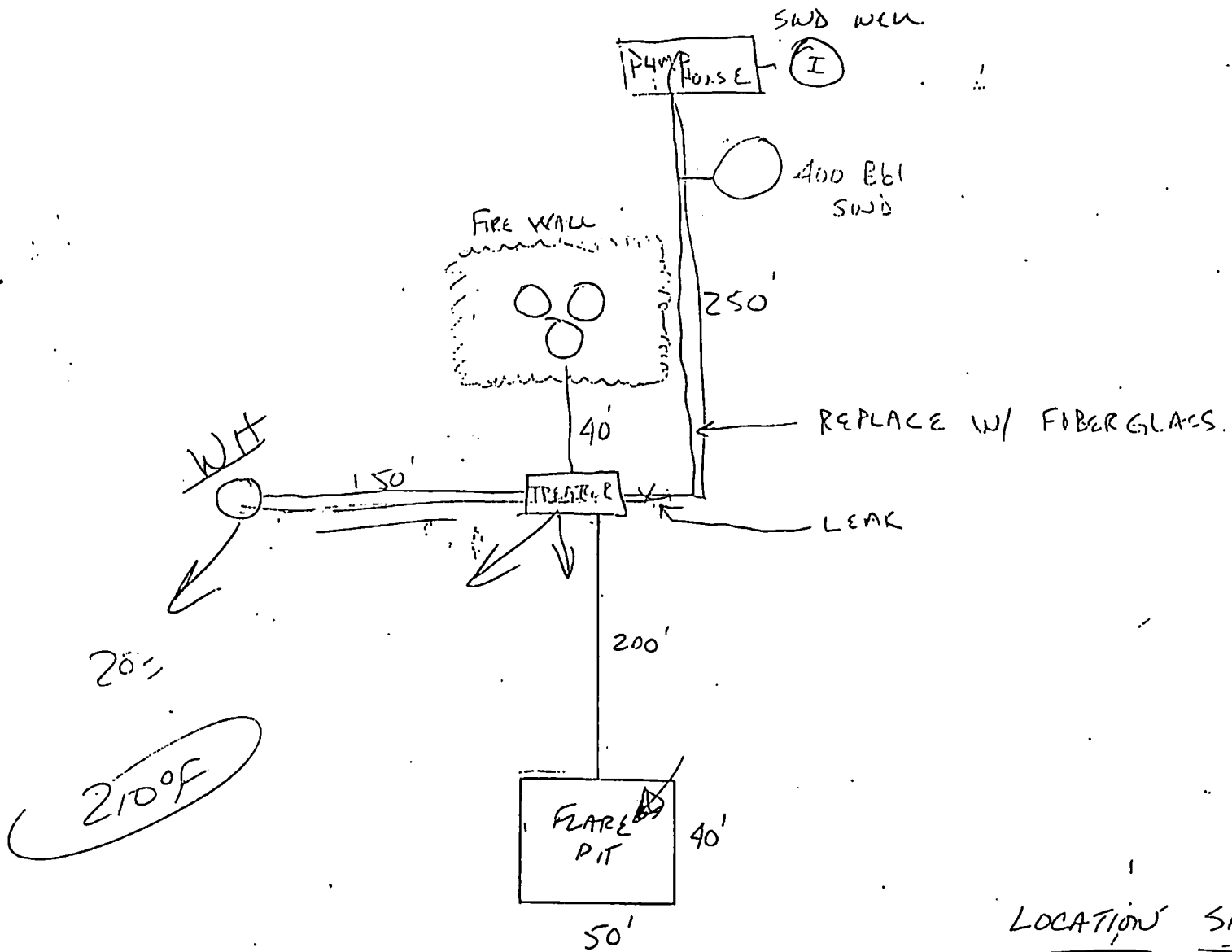
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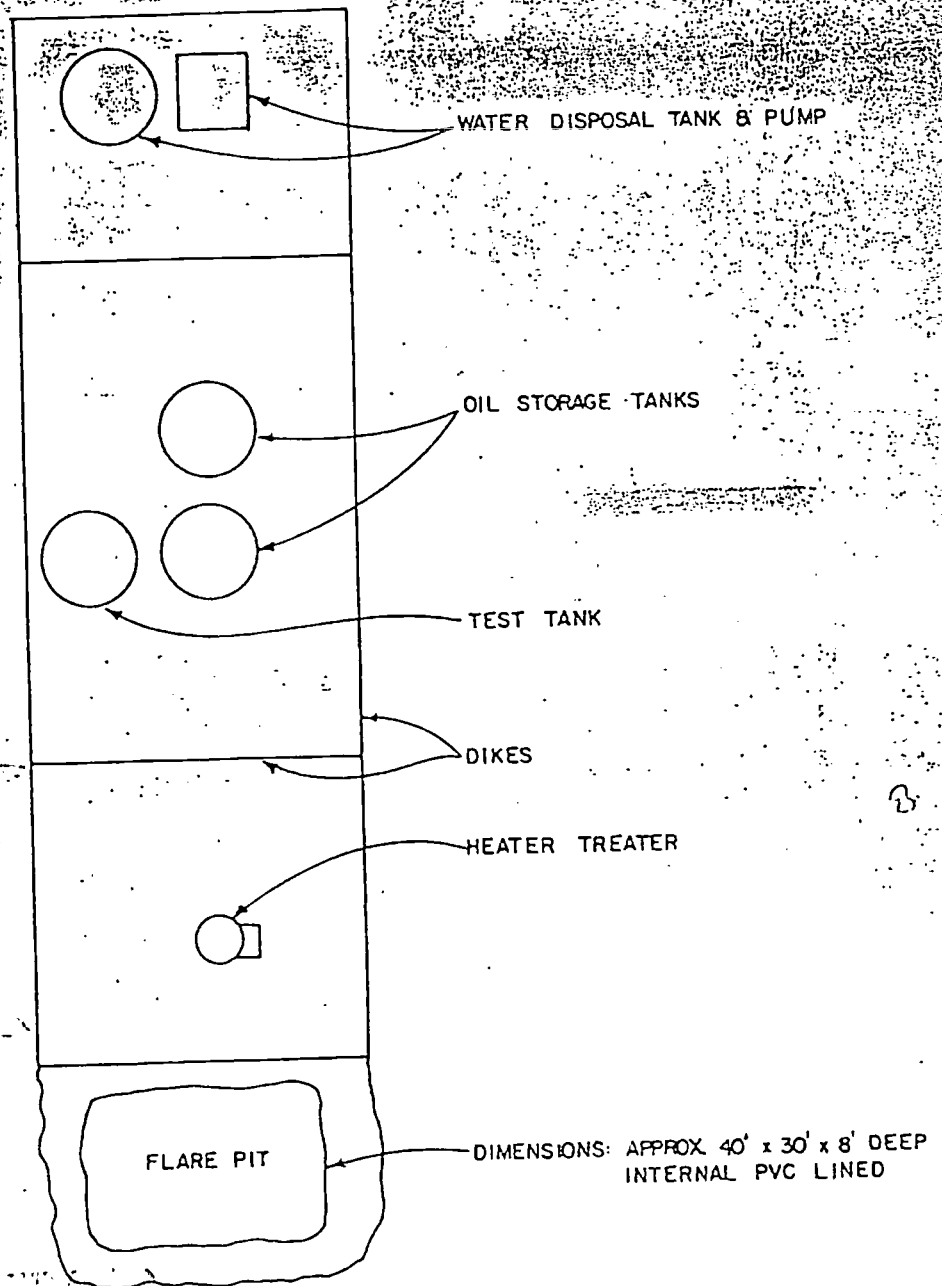
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LOCATION SKETCH

TXO - BUCKLES "A" #1
PLAN OF PRODUCING FACILITY

BUCKLES "SWD" #1



FEB 25 1981
Office of Enforcement
Compliance & Environmental
Justice

000294

PLUGGING &
ABANDONMENT

(SUBMIT IN QUADRUPPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

| | |
|---------------|----------------|
| ARM 36.22.307 | ARM 36.22.1003 |
| ARM 36.22.601 | ARM 36.22.1004 |
| ARM 36.22.602 | ARM 36.22.1013 |
| ARM 36.22.603 | ARM 36.22.1301 |
| ARM 36.22.604 | ARM 36.22.1306 |
| ARM 36.22.605 | ARM 36.22.1309 |

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

SUNDRY NOTICES AND REPORT OF WELLS

| | | | |
|--|--|---|------|
| Notice of Intention to Drill | | Subsequent Report of Water Shut-off | |
| Notice of Intention to Change Plans | | Subsequent Report of Shooting, Acidizing, Cementing | |
| Notice of Intention to Test Water Shut-off | | Subsequent Report of Altering Casing | |
| Notice of Intention to Redrill or Repair Well | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Shoot, Acidize, or Cement | | Subsequent Report of Abandonment <i>SWR</i> | XXXX |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | |
| Notice of Intention to Abandon Well | | Report of Fracturing | |

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 29

1984

Following is a {notice of intention to do work} on land {owned} described as follows:
 {report of work done} {leased}

LEASE Buckles

MONTANA Roosevelt East Poplar
 (State) (County) (Field)

Well No. "SWD" #1 *SE NW* 22 28N 51W
 (m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from {N} line and 1853 ft. from {XXX} line of Sec. 22
 {XX}

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085'

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 50 sxs cmt through perfs (785'-846').
2. 35 sxs cmt 685'-615'.
3. 30 sxs cmt @ surface.

Casing was cutoff below surface.

Received
Office of Enforcement

FEB 25 2000

Compliance & Env. Justice

LOCATION INSPECTED & APPROVED

Approved subject to conditions on reverse of form

Date JUN 18 1984

ORIGINAL COPY SIGNED BY:

By Claire F. Haughey, Field Supervisor
District Office Agent

Title

Company TXO Production Corp.

By M. David Cloutre

Title Drilling & Production Engineer

Address 1800 Lincoln Center Building

Denver, CO 80264

NOTE:—Reports on this form to be submitted to the appropriate District for approval
 DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN
 REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

000079

BOARD USE ONLY
API WELL NUMBER

| | | |
|-------|--------|------|
| STATE | COUNTY | WELL |
| 2 | 5 | 2 |

P & A - MONTANA

BUCKLES "SWD" #1

Roosevelt Co./22-28N-51E

05/24/84 SITP 240#, SICP 235#. RU Halliburton. Test lines to 2000#. Pump 20 bbls fresh wtr. Had 500# @ 4 BPM. Pump 25 sxs C1 "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Couldn't obtain squeeze after 10 bbls fresh wtr pumped. Pump 25 sxs C1 "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Obtain squeeze w/ 5.5 bbls total flush @ 1000#. SWI for 20 min. Bled press to 500#. SWI. SDFN. DW: 2900. CW: 2900.

05/26/84 RU Allison Rig #8. ND wellhead. NU BOP. Attempt to release pkr. No tension on tbg. TOOH w/ 2-7/8" tbg & Model "AD-1" pkr. TIH w/ tbg to 685'. RU Halliburton. Pump 35 sxs C1 "G" cmt from 685-615'. TOOH & LD tbg. Pump 30 sxs surf plug. RD Halliburton. ND BOP. RD Allison & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 8778. CW: 11,678.

Received
Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

000080

NOTICE

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

(SUBMIT IN QUADRUPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

ARM 36.22.307
ARM 36.22.601
ARM 36.22.602
ARM 36.22.603
ARM 36.22.604
ARM 36.22.605

ARM 36.22.1003
ARM 36.22.1004
ARM 36.22.1013
ARM 36.22.1301
ARM 36.22.1306
ARM 36.22.1309

| | | | |
|--|-------|---|-------------------------------------|
| Notice of Intention to Drill | | Subsequent Report of Water Shut-off | |
| Notice of Intention to Change Plans | | Subsequent Report of Shooting, Acidizing, Cementing | |
| Notice of Intention to Test Water Shut-off | | Subsequent Report of Altering Casing | |
| Notice of Intention to Redrill or Repair Well | | Subsequent Report of Redrilling or Repair | |
| Notice of Intention to Shoot, Acidize, or Cement | | Subsequent Report of Abandonment <i>SWD</i> | <input checked="" type="checkbox"/> |
| Notice of Intention to Pull or Alter Casing | | Supplementary Well History | |
| Notice of Intention to Abandon Well | XXXXX | Report of Fracturing | |

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 21

19 84

Following is a { notice of intention to do work { on land { owned { described as follows:
report of work done { leased {

LEASE Buckles

MONTANA
(State)

Roosevelt

(County)

East Poplar

(Field)

Well No. "SWD" #1 SE NW 22 28N 51E
(m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from { N { line and 1853 ft. from { EX { line of Sec. 22
EX W

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085'

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

TXO Production Corp. proposes to P & A this well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:

Set 35 sxs cmt plug above perms.

Set 30 sxs cmt plug @ surface.

Verbal approval was given by Claire Houghy at the Montana Board of Oil & Gas Conservation in Billings on 5-21-84.

Note:

See subsequent report of abandonment
check Federal form approved 6-13-84

Approved subject to conditions on reverse of form

Date JUN 18 1984

By Claire Houghy
District Office Agent

Title

Company TXO Production Corp.

By M. David Cloutre
M. David CloutreTitle Drilling & Production Engineer
1800 Lincoln Center Building

Address Denver, CO 80264

BOARD USE ONLY
API WELL NUMBER

| | | |
|-------|--------|------|
| STATE | COUNTY | WELL |
| 25 | | |

NOTE:—Reports on this form to be submitted to the appropriate District for approval
DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN
REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas well ☐ other SWD Well

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON" ☒
(other) _____

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
14-20-0256-5066 Ft. Peck

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Buckles

9. WELL NO.
"SWD" #1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E

12. COUNTY OR PARISH
Roosevelt

13. STATE
Montana

14. API NO.
25-085-21336

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TXO Production Corp. proposes to P & A this well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:

Set 35 sxs cmt plug above perms.
Set 30 sxs cmt plug @ surf.

Received
Office of Enforcement
FEB 25 2000
Compliance & Env. Justice

Subsurface Safety Valve: Manu. and Type: _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Cloutre TITLE Dir. & Prod. Engineer DATE June 1, 1984

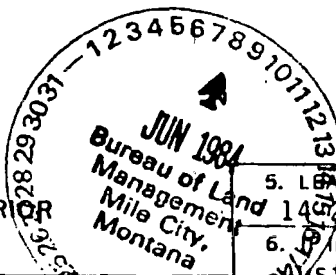
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

000097

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other SWD Well

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
14540-0256-5066 Ft. Peck

6. INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Buckles

9. WELL NO.
"SWD" #1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E

12. COUNTY OR PARISH
Roosevelt

13. STATE
Montana

14. API NO.
25-085-21336

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL

| REQUEST FOR APPROVAL TO: | SUBSEQUENT REPORT OF: |
|---|-------------------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| (other) <input type="checkbox"/> | <input type="checkbox"/> |

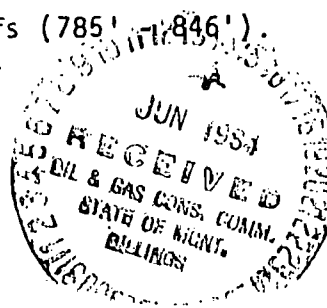
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 50 sxs cmt through perfs (785' - 846')
2. 35 sxs cmt 685' - 615'.
3. 30 sxs cmt @ surface.

Casing was cutoff below surface.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Clouatre TITLE Drig. & Prod. Engineer June 1, 1984

(This space for Federal or State approval)

APPROVED BY /s/ Don Miller

TITLE

ADM-MINERALS

DATE

JUN 13 1984

CONDITIONS OF APPROVAL, IF ANY:

P & A - MONTANA

BUCKLES "SWD" #1

Roosevelt Co./22-28N-51E



05/24/84 SITP 240#, SICP 235#. RU Halliburton. Test lines to 2000#. Pump 20 bbls fresh wtr. Had 500# @ 4 BPM. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Couldn't obtain squeeze after 10 bbls fresh wtr pumped. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Obtain squeeze w/ 5.5 bbls total flush @ 1000#. SWI for 20 min. Bled press to 500#. SWI. SDFN. DW: 2900. CW: 2900.

05/26/84 RU Allison Rig #8. ND wellhead. NU BOP. Attempt to release pkr. No tension on tbg. TOOH w/ 2-7/8" tbg & Model "AD-1" pkr. TIH w/ tbg to 685'. RU Halliburton. Pump 35 sxs Cl "G" cmt from 685-615'. TOOH & LD tbg. Pump 30 sxs surf plug. RD Halliburton. ND BOP. RD Allison & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 8778. CW: 11,678.

- OFFICE OF THE ATTORNEY GENERAL
COMMISSIONER OF THE GENERAL LAND OFFICE
JULIO

000298

BUCKLES SWD

ROOSEVELT COUNTY, MO.

PLUGGING COST

| | |
|---------------------|---------|
| WORKOVER RIG | \$ 2000 |
| SUPERVISION | \$ 500 |
| WELDER | \$ 120 |
| CIRP | \$ 650 |
| CEMENTING | \$ 200 |
| TOTAL PLUGGING COST | \$ 5270 |

42 SHEETS 3 SQUARE
42 SHEETS 3 SQUARE
42 SHEETS 3 SQUARE
42 SHEETS 3 SQUARE

RECEIVED

EPT 25 2003

Department of the Environment
Conservation & Environmental
Justice

000301

BURLS SWD #1

ROOSEVELT COUNTY
MONTANASALVAGE VALUE

TUBING HEAD 'HUBER' 7" x 2 7/8" TYPE HFC \$103

PORTABLE INJ. PLANT w/ J-66 triplex pump
S/N 7146 w/ 3" PLUNGERS \$20,903

Chemical Pumps 3/8" single head pump w/ 1/3 hp \$500

dec. motor S/N W 4851

2 1/2" EUE 2000# VALUE \$461

TOTAL TRXO VALUE \$21,967

TRXO WI = 100%

DATE _____ WELL NAME _____ OPERATOR _____

DRILLING _____ COMPLETIONS _____ OPERATIONS _____

9428,138

3318

9431,456

DATE _____ WELL NAME _____ OPERATOR _____

DRILLING _____ COMPLETIONS _____ OPERATIONS _____

TIH + drill to 5937' *, @ TOOH, Rig up Schlumberger to start logging

* lost circ 300 bbls mud @ 12:30 AM, mix LCM C+C, regain
circ @ 5:00 AM

TXI like w/ 10% salt
.6% CF2
2% CaCl2

Class "G" w/ 10% salt
.6 CF2
2% CaCl2 } 1000' above pay

DATE _____ WELL NAME _____ OPERATOR _____

DRILLING _____ COMPLETIONS _____ OPERATIONS _____

not held. Shut csg in w/ 800#. P.H. & T.H. w/ 60' of 1" pipe. Cmt annulus w/ 100 sks Class "G" cmt w/ 3% CaCl. Got full returns. Cmt appeared to hold. W.O.C. 8 hours. Cut off conductor pipe. Had 1/2" stream wtr flow. Preparing to re-cmt annulus w/ Calseal.

DATE _____ WELL NAME _____ OPEATOR _____

DRILLING _____ COMPLETIONS _____ OPERATIONS _____

31.361

37.500

63,860

355a

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

78
re

Form approved *WRF-999*
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | |
|---|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal Well | 5. LEASE DESIGNATION AND SERIAL NO.
Contract No.
14-20-0256-5066 |
| 2. NAME OF OPERATOR
TXO Production Corp. Attn: C.K. Curlee | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles |
| 3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg. Denver, CO 80264 | 7. UNIT AGREEMENT NAME
--- |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1803' FNL, 1853' FWL (SE/NW) Section 22-T28N-R51E | 8. FARM OR LEASE NAME
Buckles |
| 14. PERMIT NO. | 9. WELL NO.
SWD #1 |
| 15. ELEVATIONS (Show whether DT, RT, CL, etc.)
2085' G.R. | 10. FIELD AND POOL, OR WILDCAT
--- |
| | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 22-T28N-R51E |
| | 12. COUNTY OR PARISH
Roosevelt |
| | 13. STATE
MT |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SROOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) Final Abandonment Notice (FAN) <input checked="" type="checkbox"/> | |
| (Other) <input type="checkbox"/> | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This is to notify you that TXO Production Corp. has completed restoration of the disturbed surface area for this P&A'd well. The well site is ready for final abandonment and bond release.

FINAL ABANDONMENT
APPROVED

Received
Office of Enforcement

FEB 2 2000

Compliance & Env. Justice

18. I hereby certify that the foregoing is true and correct

| | |
|---|-------------------|
| SIGNED <i>Charles S. Curlee</i> TITLE Environmental Manager | DATE June 8, 1988 |
| (This space for Federal or State office use) | |
| APPROVED BY <i>Arnold E. Dungan</i> TITLE ADM - Minerals | DATE JUN 1 1992 |
| CONDITIONS OF APPROVAL, IF ANY: | |

7K-90

*See Instructions on Reverse Side

000102